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FERTILIZER ANALYSES

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ADDRESS

Chemical Department, Maryland Agricultural College

COLLEGE PARK, MD.

ANALYSES OF

Fertilizers Sold in Maryland

BY THE CHEMICAL DEPARTMENT OF

The Maryland Agricultural College

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The tables on the following pages are made up of the results of the analysis of fertilizers made at the College from August, 1913, to January, 1914, inclusive.

The majority of the samples analyzed are obtained by our sampling agents, the samples being taken while the goods are in transit, on vessels, wharves, cars, or stations, from farmers' wagons, barns, etc. It is impossible for us to analyze all samples we collect; duplicates are generally omitted.

When a sample has been sent in by a farmer, his name, or initials, will be found after the "place of sampling." If "place of sampling" is not given, the sample has been made up of two or more samples taken at different places. Before sending samples of fertilizer for analysis farmers should always send for blank forms and directions, stating the number of blanks wanted. One blank is required for each sample. No sample will be analyzed unless the proper blank form is used.

The figures in the columns headed "Ammonia," "Potash" and "Phosphoric Acid," are percentages, or pounds per hundred. To get pounds per ton multiply the per cent by 20. The columns headed "Found" contain the results found by analysis; those headed "Guaranteed" contain the essential parts of the guarantee as stamped on the bags.

The "Comparative Value Found" is calculated from the results of analysis as found in our laboratory, the "Comparative Value Guaranteed" is calculated from the manufacturers' guaranteed analysis as printed on the bags; in each case using the following schedule.

Schedule for Calculating Comparative Values

In Mixed Fertilizers:	
For Nitrogen, calculated as Ammonia	20 cts. per pound
For Potash (K_2O), in forms free from muriate	6 cts. per pound
For Potash (K_2O), as muriate or kainit	5 cts. per pound
For Available Phosphoric Acid	6 cts. per pound
For Insoluble Phosphoric Acid	2 cts. per pound
For Insoluble Phosphoric Acid when from rock	1 ct. per pound
In Dissolved Rock:	
Available Phosphoric Act	4½ cts. per pound
Insoluble Phosphoric Acid	1 ct. per pound
In Tankage:	
For Nitrogen, calculated as Ammonia	15 cts. per pound
For Phosphoric Acid	3 cts. per pound
In Ground Bone:	
For Nitrogen, calculated as Ammonia	20 cts. per pound
For Phosphoric Acid	3 cts. per pound

The "Comparative Values" given in the Table are not claimed to be the proper prices to be paid for the various fertilizers at the place of sale or use. They will be found to be not far from the prices for which fertilizers may be obtained at Baltimore, for cash. In making comparisons at other points freight from Baltimore should be added.

The new fertilizer law went into effect February 1, 1913. This law does not affect the method of analysis or publication of results. It does, however, simplify guarantees by prohibiting confusing repetitions and giving the same constituent in two or more forms.

For example, the "Total Phosphoric Acid" is the sum of the "Available Phosphoric Acid" and the "Insoluble Phosphoric Acid." As the latter is generally small in amount and of little value it is frequently omitted by the manufacturer in his guarantee, which would then be—

Available Phosphoric Acid..... ....%
Potash..... ....%
Ammonia..... ....%

In addition to the above the Insoluble Phosphoric Acid may be given.

Instead of a guarantee of "Ammonia" the equivalent amount of "Nitrogen" may be given.

In bone, fish, tankage and other animal or vegetable matter that has not been treated with acid (dissolved), it is lawful to guarantee the phosphoric acid simply as "Total Phosphoric Acid." In all mixed fertilizers, however, the "Available Phosphoric Acid" is to be guaranteed.

The law permits the guaranteeing of the maximum amount of "Chlorine." This is not required and is rarely done. If chlorine is absent it indicates that the potash present is in the form of sulfate of potash, which has a higher commercial value than when derived from muriate of potash or kainit. It is generally claimed that chlorine should not be present in tobacco fertilizers.

Low-grade fertilizer is to be guaranteed as such.

The law requires that the bags containing the following fertilizers be plainly marked "Low Grade," in addition to the usual guarantee.

(a) Acid phosphate (dissolved rock) containing less than 14% of available phosphoric acid.

(b) Phosphate and potash with less than 2% of potash or with less than 12% of potash and available phosphoric acid combined. Thus a "10 & 2" fertilizer just escapes the "low grade" class.

(c) Any ammoniated fertilizer with less than 1% of ammonia, or its equivalent in nitrogen, or less than 1% of potash, if potash is claimed to be present, and less than 10% of ammonia, potash and available phosphoric acid combined. Thus a "1, 8 & 1" fertilizer just escapes the "low grade" class.

"Low grade" fertilizers are either made up with filler or by the use of poor materials. Even those not required to be marked "low grade" are not always free, by any means, as the minimum requirement to escape this class is rather low.

As a rule one can get more pounds of real fertilizer for a given amount of money in high-grade fertilizers than in low grade, hence the former are cheaper in the end.

Fertilizer should never be purchased without a guaranteed analysis.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	American Agricultural Chemical	**Co., N. Y., N. Y.**										
27282	Acme Grain & Grass Fertilizer..	Baltimore.....	1.02	1.00	3.96	4.00	.95	.....	9.16	8.00	$19.41	$17.60
27021	Big Crop Phosphate.....	Baltimore.....	.....	.....	4.74	5.00	.25	.....	9.98	8.00	13.77	12.20
27160	Dead Shot Phos. (Low Grade)..	Hampstead.....	.63	.50	1.84	2.00	.70	.....	8.62	8.00	14.98	13.60
27083	Dissolved Animal Bone.....	Sharpsburg	2.70	2.50	.....	.....	3.07	.....	12.20	12.00	26.67	24.40
27269	Excelsior Alkaline Bone.....	Baltimore..	.....	.....	5.16	5.00	.60	.....	10.11	10.00	14.38	14.00
27191	Fine Ground Bone	Reisterstown.....	3.29	3.00	.....	.....	*22.01	*22.83	.....	.....	26.37	25.70
27126	Fish, Bone & Potash	Paramount.....	1.96	2.00	3.34	3.00	.95	.....	6.70	6.00	19.60	18.20
27127	Gem Alkaline Phos. (Low Grade)	Loys.	.....	.....	3.48	3.00	.67	.....	7.09	6.00	8.99	8.40
27084	Genuine German Kainit.....	Smithsburg.....	.....	.....	12.72	12.00	.....	.....	.....	.....	.....	.....
27085	H. G. Ground Bone.....	Chewsville.....	4.21	4.00	.....	.....	*21.42	*20.59	.....	.....	29.69	28.35
27042	Pure Raw Bone	Baltimore...	4.42	4.50	.....	.....	*20.79	*21.51	.....	.....	30.15	30.91
27244	Royal Alkaline Bone.....	Baltimore.....	.....	.....	3.92	4.00	.32	.....	11.09	10.00	13.96	13.00
27034	Special Potash Mixture.....	Baltimore.....	1.23	1.00	7.16	7.00	.67	.....	9.45	9.00	23.69	21.80
27128	Square Deal Phosphate.....	Paramount.....	1.95	2.00	4.26	4.00	1.45	.....	8.02	8.00	22.26	21.60
27048	Super-Phosphate 16%.....	Baltimore.....	.....	.....	.....	.....	1.20	.....	15.75	16.00	14.42	14.40
27268	Superior Phosphate.....	Betterton	1.95	2.00	4.40	4.00	1.22	.....	8.28	8.00	22.63	21.60
27045	Top Notch Phosphate.....	White Hall.....	1.95	2.00	5.04	5.00	1.30	.....	8.02	8.00	22.98	22.60
27322	Wheat & Corn Fertilizer.....	Annapolis	1.14	1.00	4.02	4.00	1.12	.....	8.76	8.00	19.54	17.60
	A. A. C. Co. (Canton), Balto., Md.											
27202	Baker's Dissolved S. C. Phos.	Colora.....	.....	.....	.....	.....	.55	.....	14.27	14.00	12.95	12.60
27302	Baker'sSpec. Wht., Corn&G. Mix.	Baltimore	1.01	1.00	2.06	2.00	1.02	.....	9.79	9.00	18.26	16.80
27203	Baker's Standard H. G. Guano..	Colora.....	2.52	2.50	3.14	3.00	1.10	.....	8.66	8.00	24.05	22.60
27164	Harrow Brand Crop Grower....	Maple Grove.	1.06	1.00	1.03	1.00	1.22	.....	8.15	8.00	$15.54	$14.60
27211	Soluble Phosphate & Potash....	Pocomoke City.	.....	.....	2.20	2.00	.60	.....	10.33	10.00	11.62	11.00

27164	Harrow Brand Crop Grower....	Maple Grove.	1.06	1.00	1.03	1.00	1.22	.....	8.15	8.00	$15.54	$14.60
27211	Soluble Phosphate & Potash....	Pocomoke City.	.....	.....	2.20	2.00	.60	.....	10.33	10.00	11.62	11.00
	A. A. C. Co. (Detrick), Balto., Md.											
27303	Corn & Oats Fertilizer.....	Baltimore	1.02	1.00	2.90	3.00	1.15	.....	9.55	9.00	18.90	17.80
27304	Dissolved S. C. Phosphate.....	Baltimore	.....	.....	.....	.....	.72	.....	14.58	14.00	13.26	12.60
27192	Fish Mixture.....	Parkton.....	2.03	2.00	2.04	2.00	1.50	.....	8.09	8.00	20.47	19.60
27000	Gold Eagle.....	Pocomoke City.....	2.88	3.00	6.58	6.00	1.32	.....	6.11	6.00	25.96	25.20
27270	Imperial Compound.....	Baltimore	1.01	1.00	2.08	2.00	.97	.....	8.29	8.00	16.46	15.60
27293	Kangaroo Komplete Kompound	White Hall.....	1.96	2.00	2.92	3.00	1.27	.....	8.21	8.00	21.12	20 60
27229	P. & B. Special Fertilizer.....	Baltimore	.....	.....	3.14	3.00	.87	.....	11.79	12.00	13.92	13.80
27294	Quick Step Phos. & Potash.....	Baltimore.....	2.78	3.00	4.12	4.00	1.37	.....	8.29	8.00	25.74	25.60
27022	Soluble Phosphate & Potash....	Baltimore.....	.....	.....	2.04	2.00	.30	.....	10.40	10.00	11.46	11.00
27001	Victory Alkaline Bone.....	Pocomoke City.....	.....	.....	5.48	5.00	.32	.....	12.05	12 00	16.39	15.80
	A. A. C. Co. (Lazaretto), Balto., Md.											
27161	Ammoniated Phosphate.....	Hampstead.....	1.01	1.00	1.80	2.00	1.15	.....	8.40	8.00	16.38	15.60
27295	Crop Grower	Baltimore.....	2.03	2.00	2.12	2.00	.83	.....	8.56	8 00	20.84	19.60
27086	Dissolved Phosphate.....	Sharpsburg	.....	.....	.....	.....	.75	.....	14.07	14.00	12.81	12.60
27319	Forsythe & Linthicum Mixture.	Ellicott City.....	2.27	2.25	4.20	4.00	4.00	4.50	9.61	9.00	26.41	25.60
27230	H. G. Dissolved Phos & Potash.	Baltimore.....	.....	.....	4.90	5.00	.47	....	11 05	10.00	14.94	14 00
27217	H. G. Dissolved Phos. & Potash.	Baltimore.....	.....	.....	3 16	3.00	.32	.....	12 67	12.00	14.62	13.80
27261	H. G. Dissolved Phos. & Potash.	Betterton	.....	.....	5.02	5.00	.12		13.11	12.00	16 84	15 80
27162	Retriever Animal Bone Fert	Hampstead.....	2 30	2.25	4.08	4.00	3.50	4 50	10.57	9.00	27.72	25.60
27163	Special Ammoniated Compound,.	Hampstead.....	1.28	1.25	2.92	3.00	1.02	.....	9.77	9 00	20.17	18.80
27077	Special Wheat & Grass	Oxford.....	1.04	1 00	4.32	4.00	1.00	.....	8.53	8.00	19.12	17.60
27035	Wht.,Corn & Grass Gr. L. Grade	Baltimore.....	.56	.50	1.82	2.00	.67	.....	8.18	8.00	14.15	13.60
	A. A. C. Co. (Maryland), Balto., Md.											
27087	Alkaline Phosphate	Maugansville	.....	.....	3.01	3.00	.82	.....	11.71	12.00	13.71	13.80
27130	Magic Guano.....	Paramount.....	1 06	1.00	2.02	2.00	1.57	.....	8.71	9.00	17.34	16.80
27027	Special Compound	Baltimore.....	1.95	2.00	9.76	10.00	1.02	.....	8.37	8.00	28.01	27.60
27088	Tornado Fertilizer.....	Maugansville	.....	.....	5.34	5.00	.52	.....	11 66	12.00	15.93	15.80
	A. A. C. Co. (Nickerson), Easton, Md.											
27296	Acid Phosphate.....	Baltimore	.....	.....	.....	.....	.87	.....	14.34	14.00	13.08	12.60
27245	Dissolved Bone & Potash.....	Baltimore	.....	.....	5.98	5.00	.52	.....	12.22	12.00	17.08	15.80
27283	English Mixture.....	Baltimore	1.02	1.00	2.01	2.00	1.07	.....	8.46	8.00	16 67	15.60
	A. A. C. Co. (Packers Union), Rutland, Vt.											
27284	Universal Fertilizer.....	Baltimore	1.01	1 00	4.02	4.00	1.02	.....	8.50	8.00	18.67	17.60
	A. A. C. Co. (Reese), Balto., Md.											
27018	H. G. Dissolved Phos. & Pot....	Baltimore	.....	.....	2.88	3.00	.37	.....	11.60	12.00	13.39	13.80

Total Phosphoric Acid

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	A. A. C. Co. (Susquehanna), Balto., Md.											
27089	Ammoniated Phosphate	Gapland	2 03	2 00	2.14	2.00	1.22	.....	8.12	8.00	$20.49	$19.60
27165	Crop Grower (Low Grade)	Hampstead	1.04	1.00	1.06	1.00	1.05	.....	6 89	7.00	13.91	13.40
27271	Grain & Grass Producer	Baltimore	.....	.....	3 26	3.00	.25	.....	12.98	12.00	14.99	13.80
27226	H. G. Phosphate & Potash	Baltimore	.....	.....	6 34	5.00	.55	.....	11.77	12.00	17.04	15 80
27090	Potato & Tobacco Phosphate	Gapland	2.17	2 00	6.02	5 00	1 47	.....	7.77	8.00	24.61	22.60
27131	Soluble Bone & Potash	Harmony Grove	.....	.....	2 32	2.00	.42	.....	9.73	10.00	11 16	11.00
27091	Superior Rock Phosphate	Gapland	.....	.....	.....	.....	.82	.....	14 08	14 00	12 83	12.60
27092	X. X. V. Phosphate	Gapland	.96	1.00	1 05	1.00	1.07	.....	8.38	8.00	15.33	14.60
	A. A. C. Co. (Tygert Allen), Philadelphia, Pa.											
27002	Standard Brand Phosphate	Rehobeth	2.12	2.00	2.46	2.00	.95	.....	8.28	8.00	21.26	19.60
	A. A. C. Co. (Wheeler), Rutland, Vt.											
27028	Bone & Potash	Baltimore	.....	.....	2 82	3 00	.87	.....	10 75	12 00	12.67	13.80
27272	General Crop Grower	Baltimore	1 93	2.00	2.04	2 00	1 27	.....	8.32	8 00	20 25	19 60
27246	Royal Wheat Grower	Baltimore	1.03	1 00	2.06	2.00	1.20	.....	8.17	8.00	16.46	15.60
	A. A. C. Co. (Zell), Balto., Md.											
27068	Ammoniated Super-Phosphate	Cumberland	2.08	2 00	2 10	2.00	1 25	.....	8 03	8.00	20 56	19.60
27344	Dissolved Phosphate	.....	.....	.....	.....	.....	.52	.....	15.06	14.00	13 65	12.60
27056	Economy	Baltimore	1.01	1.00	1.92	2.00	1.12	.....	8 30	8 00	16.37	15.60
27067	Economizer Phosphate	Cumberland	1.02	1.00	2.12	2.00	1 75	.....	8.02	8 00	16.52	15 60
27093	Hustler Phosphate	Smithsburg	1.01	1 00	3 08	3.00	1.15	.....	9.71	9.00	19.23	17.80
27057	Little Treasure (Low Grade)	Baltimore	1 55	1.00	1.94	1.00	1 17	.....	8.20	7.00	18.45	13.40

27337	Special Compound	Catonsville	3.05	3.00	4.12	4.00	1.70		8.45	8.00	$27.14	$25.60	
	American Fertilizing Co., Balto., Md.												
27285	Ammoniated Bone Compound	Baltimore	1.26	1.00	2.04	2.00	1 70	1.00	8.18	8.00	17.58	16.00	
27351	Champion Grain Grower		1.09	1.00	3.72	4.00	2.80		7.59	8.00	18.31	17.60	
27345	Dissolved Bone & Potash				2.24	2.00	1.67	1.00	10 23	10.00	11.7ɐ	11.20	
27231	Double Dissolved Bone & Potash	Baltimore			4.14	4.00	1.95	1.00	10.23	10.00	13.74	13.20	
27078	Double Extra Bone & Potash	Oxford			5.10	5.00	2.60	1.00	11.19	12.00	15.69	16.00	
27204	Eagle Crop Grower	Colora	2.17	2.00	2.10	2.00	.62	1.00	9.84	8.00	22.84	20.00	
27297	Excelsior Guano	Baltimore	2.03	2.00	4.40	5.00	2.37	1.00	7 37	8 00	22.31	23.00	
27205	Fish & Bone Compound	Colora	2.05	2 00	2.73	3.00	.60	1.00	10.46	8.00	23.77	21.00	
27353	Formula Wheat & Corn				5.22	5.00	1.85		9.61	10.00	14.24	14.00	
27132	High Grade Acid Phosphate	Motters					1.85	1.00	14.15	14.00	13.11	12.80	
27133	High Grade Acid Phosphate	Motters					1.22	1.00	16.09	16.00	14.72	14.60	
27220	Prize Truck Guano	Baltimore	2.04	2.00	9.14	10.00	2.35	1.00	7.87	8.00	27.68	28.00	
27113	Pure Raw Bone	Dickerson	4.52	4.50			*22.12	*20.60			31.35	30.26	
27079	Special Compound (Low Grade)	Dover Bridge	.52	.50	3.58	3.00	1.65	1.00	7.10	7.00	14.84	13 80	
27346	Special Potash Mixture				3.84	4.00	1.27	1.00	7.54	8.00	10.88	11.40	
27286	Spec. Super-Phos. (Low Grade)	Baltimore			2.78	3.00	.97	1.00	6.04	6.00	8.41	8.60	
	Armour Fertilizer Works, Balto., Md.												
27012	Acid Phosphate	Baltimore					.87		16.55	16.00	15.07	14.40	
27459	Acid Phosphate	Kennedyv'(S.J.L.)					.45		16.21	16.00	14.68	14.40	
27232	Banner Brand	Baltimore			8.26	8.00	.77		9.83	10.00	17.26	17.00	
27013	Bone Meal	Baltimore	3.12	3.00			*23.03	*22.50			26.30	25.50	
27461	Bone Meal	Kennedyv'(S.J.L.)	3 26	3.00			*22.55	*22.50			26.57	25.50	
27472	Bone & Dissolved Bone with Pot	Downesv'(W.D.C.)	1.77	2.00	3.66	3.00	1.85		8.64	9.00	21.35	21.80	
27454	Busteed's Special Mixture	Centreville(G.A.B.)	1.66	1.50	5.56	5.00	1.50		12.08	12.00	27.30	25.40	
27262	Claude Park's Harvest Queen	Chestertown	1.91	2 00	4.18	4.00	1.75		7.34	8.00	21.33	21.60	
27167	Crop Grower	Hampstead	94	1.00	2.20	2.00	1.52		8.30	8.00	16.53	15.60	
27233	Farmer's Choice	Baltimore	1.06	1.00	3.08	3.00	1.42		8.41	9.00	17.98	17.80	
27023	Fruit & Root Crop Special	Baltimore	1.88	2.00	5.20	5.00	1.45		7.76	8.00	22.61	22.60	
27469	Fruit & Root Crop Special	Chestert'n(W.M.S.)	1.79	2.00	5.70	5.00	.97		7.59	8.00	22.36	22.60	
27471	Fruit & Root Crop Special	Rock Hall (F. A. C.)	1.88	2.00	6.03	5.00	1.92		7.85	8.00	23.74	22.60	
27478	Fruit & Root Crop Special	Chestert'n(W.M.S.)	1.93	2.00	5.20	5.00	2.45		7.61	8.00	23.03	22.60	
27134	Grain Grower	Walkersville	1.81	2 00	2.16	2.00	2.05		7.39	8.00	19.09	19.60	
27462	McKenney's Compound	Centrev'(W.McK.)	1.81	1.90	4 36	4.25	4.87		9.25	10.00	24.65	23.85	
27460	Muriate of Potash	Kennedyv'(S.J.L.)			50.96	50 00							
270 '4	Phosphate & Potash	Baltimore			5.32	5.00	1.35		11.75	12.00	16.17	15.80	
27468	Phosphate & Potash	Chestert'n(W.M.S.)			5.02	5.00	1.07		11.94	12.00	15.98	15.80	

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Armour Fertilizer Works, Baltimore, Md.											
27477	Phosphate & Potash	Chestert'n (W.M.S.)	.....	.....	6.08	5.00	1.10	.....	11 49	12.00	$16 64	$15.80
27463	Phosphate & Potash	Cecilton (J. A. P.)	.....	.....	5 12	5 00	.87	.....	12 34	12.00	16.40	15.80
27470	Phosphate & Potash	Rock Hall (F. A. C.)	.....	.....	5.60	5 00	.87	.....	11 87	12 00	16.45	15.80
27247	Phosphate & Potash No. 1	Baltimore	.....	.....	1.90	2.00	1.00	.....	10.06	10.00	11.15	11.00
27248	Raw Bone Meal	Baltimore	4 59	4.50	.....	.....	*22.06	*22 00	.....	.....	31.60	31.20
27003	Royal Ammoniated	Pocomoke City	1.02	1.00	4.16	4.00	1.72	.....	7.94	8.00	18.46	17.60
27481	Royal Ammoniated	Kennedyv'(E.F.C.)	1.06	1.00	3.92	4 00	1.75	.....	7 53	8.00	17.90	17.60
27453	Special Mixture	Mt. Airy (C. E. A.)	2.90	2.90	3.84	3.75	6 92	5.00	10.31	11.00	30.58	30.55
27036	Special Potato Grower,	Baltimore	3.91	4.00	6 74	7.00	1.20	.....	8.19	8.00	32 69	32.60
27058	Star Phosphate	Baltimore	.....	.....	.....	....	.87	.....	14.02	14.00	12.79	12.60
27227	Sure Crop	Baltimore	.....	.....	5.40	5.00	.52	.....	7.86	8.00	12.57	12.20
27049	Wheat & Clover	Baltimore	.....	.....	4.74	5.00	1 00	.....	9.89	10.00	13.84	14.00
27264	Wheat & Grass Special	Tolchester	.87	1.00	5.42	5.00	1.95	.....	6.32	7.00	17.26	17.40
	Atlantic Fertilizer Co., Balto., Md.											
27155	Arrow Brand	Woodbine	1.19	1.00	3.70	4.00	.27	1.00	8.08	8.00	18.27	18.00
27354	G. G. G. Golden Grain Grower	.....	1 89	2.00	4.08	4.00	.80	1.00	8.65	9.00	22.34	23.20
27156	High Grade Potash Compound	Woodbine	.....	....	5.14	5.00	.30	.....	12.83	12.00	16.75	15.80
27212	Royal Potato & Tomato Manure	Pocomoke City	1.83	2.00	5.03	5.00	.62	.....	6.78	7.00	20.74	21.40
27157	Special Fertilizer	Woodbine	1.84	2.00	5.14	5.00	.92	1.00	9.02	9.00	23.69	24.20
27114	Standard Compound	Silver Spring	1.77	2.00	2.46	2.00	.87	1.00	7.56	8.00	18.96	20.00
27312	X. X. Special Compound	Baltimore	1.67	2.00	8.88	10.00	.72	1.00	8.02	8.00	25.47	28.00

	C. A. Baile & Co., Medford, Md.												
27168	No. 3 Bone Phosphate	Medford	1.67	1.50	2.32	2.00	.17	.....	11.75	9.50	$23.17	$19.40	
	Baltimore Fertilizer Co., Balto., Md.												
27234	Honest Acid Phosphate	Baltimore	.....	.....	.....	.....	1.82	2.00	15.56	14.00	14.36	13.00	
27235	Honest A. K. Bone (Low Grade)	Baltimore	.....	.....	3.36	3.00	1.62	.....	9 35	8.00	12.10	10.20	
27050	Honest Ammoniated Bone	Baltimore	2.01	2.00	2.52	2.00	1.77	.....	7.30	8.00	20.03	19.60	
27236	Honest Bone Phos. (Low Grade)	Baltimore	.55	.25	1.38	1.00	1.20	.....	6.82	7.00	12.24	10 40	
27237	Honest Bone & Potash	Baltimore	.....	.....	2.04	2 00	1.20	.....	10.79	10.00	11.99	11.00	
27169	Honest Crop Grower	Lineboro	1.01	1.00	1.26	1.00	.62	1.00	8 10	8.00	15.27	15.00	
27170	Honest Harvest	Lineboro	1 18	1.25	2.28	2.00	1.37	1.00	7.52	8.00	16.57	17.00	
27059	Honest Standard	Baltimore	1.83	1 25	4.10	3.00	1.15	.....	8.87	10.00	22.52	20.00	
27350	Honest Success	.....	1.02	1 00	4.16	4.00	.90	.....	7.13	7.00	17 16	16 40	
27287	Honest 10 & 5	Baltimore	.....	.....	5.56	5.00	2 30	1.00	10.24	10.00	15.24	14.20	
27171	Old Honesty (Low Grade)	Lineboro	.63	.50	2 40	2.00	.37	1.00	8.11	8 00	14 80	14.00	
	Baltimore Pulverizing Co., Balto., Md.												
27298	Bone & Potash	Baltimore	.....	.....	2 14	2.00	.60	1.00	7 34	10.00	8.87	11.20	
27043	Corn Grower	Baltimore	.....	.....	3.14	2 25	1.42	.....	8.77	10.00	11.31	11 25	
27221	Excelsior Compound	Baltimore	1.14	1.00	5.16	4.00	.80	...	8.38	8 00	20.10	17 60	
27273	Farmer's Favorite Fertilizer	Baltimore	1.23	1.00	4 80	3 60	1.12	.....	6 39	5 50	17.84	14.20	
27289	High Grade Wheat Compound	Baltimore	2 24	2 00	1.46	2.00	95	1.00	8.55	8.00	21 06	20.00	
27014	Penniman's Excelsior	Baltimore	.....	.....	2.06	2.60	1.25	.....	9.57	10.00	10 92	11.60	
27238	Penniman's Special Guano No. 1	Baltimore	1.11	1.00	1.33	1.00	1.22	.....	7.83	8.00	15 71	14.60	
27290	Royal Potash Comp. (Low Grade)	Baltimore	.....	.....	3 66	3.00	1.00	.....	7 21	6.00	10 35	8.40	
27299	S. C. Bone	Baltimore	.....	.....	.....	.....	1.95	2.00	14.11	14.00	13.09	13.00	
27318	Spec. Spring & Fall Mix. (L.G.)	Baltimore	.....	.....	2.48	2.00	1.20	1 00	8 59	8.00	10.45	9.40	
	Baugh & Sons Co., Balto., Md.												
27094	Acid Phosphate 16%	Monrovia	.....	.....	.....	.....	.77	.....	16.03	16 00	14 58	14.40	
27475	Acid Phosphate 16%	Cecilton (E. N. C.)	.....	.....	.....	.....	.37	.....	16.46	16 00	14 83	14 40	
27037	Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	.47	.....	16 95	16 00	15.35	14.40	
27044	Ammo. Sol. Alk. (Low Grade)	Baltimore	.53	.50	2.10	2.00	.80	.....	7.81	8.00	13.91	13 60	
27115	Animal Base & Potash Compound	Rockville	2.13	2.00	2.10	2.00	1.47	.....	8.14	8.00	21 06	19.60	
27195	Commercial Super-Phosphate	White Hall	2 08	2.00	10.60	10.00	1.10	.....	8.02	8.00	28 98	27.60	
27019	Complete Animal Base Fertilizer	Baltimore	2.08	2.00	6.34	5.00	2.12	.....	7.52	8.00	24 53	22.60	
27074	Double Eagle $25 Phosphate	Cumberland	2.20	2.00	1 40	1.00	2.02	....	8.42	8.50	21.11	19.20	
27108	Excelsior Guano	Greensboro	1.08	1 00	4 12	4.00	1.55	.....	8.72	8.00	19.52	17.60	
27249	Export Bone with Potash	Baltimore	2.32	2.00	2.04	2.00	7.72	.....	6.83	11.00	22.61	23.20	
27196	Fine Ground Bone	Phoenix	3.41	3.00	.....	.....	*20.44	*16.49	.....	.....	25.90	21.89	

* Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Baugh & Sons Co., Balto., Md.											
27250	Fine Ground Fish	Baltimore	10.62	10.00	.....	.....	* 7.28	*6.87	.....	.....	$36.23	$34.12
27239	Fish Mixture	Baltimore	2.05	2.00	2.24	2.00	1.27	.....	8.04	8.00	20.60	19 60
27329	Gailey's Special Mixture	Cardiff	.96	1 00	5 54	5.00	1 42	.....	10.28	10.00	22 29	21.00
27075	General Crop Grower	Germantown	1.13	1.00	1.36	1.00	1 22	.....	8.02	8.00	15 99	14.60
27256	Genuine German Kainit	Gaithersburg	... ...	.....	14.16	12.00	.....	.....	.....	.....	.....	.....
27274	Grand Rapid High-Grade Guano	Baltimore	2 80	3.00	3.46	3.00	1.92	.....	8.12	8.00	25.17	24.60
27206	High-Grade Acid Phosphate	Providence	.....	.....	.....	.....	2.50	.....	14.35	14 00	13.42	12.60
27095	One Quarter Mixture	Lydia	1.69	1.75	3.28	3 00	4.02	.....	7 87	12.00	21.09	24.40
27096	Peninsula Grain Producer	Monrovia	1 09	1.00	3.16	3.00	1.72	.....	9 90	9 00	20 09	17.80
27097	Phosphate & Potash Mix. 10 & 4	Smithsburg	.....	.....	4.44	4.00	1.12	.....	10.21	10 00	13 85	13.00
27004	Phosphate & Potash 12 & 5	Snow Hill	.....	.....	5 30	5.00	1.35	.....	11.77	12.00	16.16	15 80
27135	Phosphate & Potash 12 & 3	Hagerstown	.....	.....	3.42	3 00	.82	.....	12.02	12.00	14.40	13.80
27005	Potato & Truck Special	Snow Hill	3 02	3 50	7.34	7.00	1.00	.....	7.29	7.00	28 57	29.40
27222	Pure Bone & Muriate Pot. Mix	Baltimore	3 03	3.00	6.96	5.00	*18.38	*15.00	.....	.....	30 11	26.00
27076	Pure Dissolved Animal Bone	Washington Grove.	2.58	2.50	.....	.....	1.65	.....	15.78	13 00	29.86	25 60
27458	Pure Dissolved Animal Bone	Keedysville (E.J. L)	2 70	2 50	.....	.....	2.45	.....	15.04	13.00	29.83	25.60
27017	Raw Bone Meal	Baltimore	4 52	4 50	.....	.....	*21 53	*21.50	.....	.....	31.00	30.90
27006	Soluble Alkaline Super-Phos.	Snow Hill	.....	.....	2.36	2.00	1.35	.....	10.05	10.00	11 68	11.00
27349	SpecialAlkaline Super-Phos. 8 & 5	.....	.....	.....	6 02	5.00	1 15	.....	8.46	8.00	13 86	12 20
27300	Special Mixture	Baltimore	2.06	2.00	4 32	4.00	1 50	.....	8 20	8.00	23.00	21.60
27330	Special Potato Manure	Forest Hill	2 12	2.00	10.28	10.00	1.30	.....	5.35	5.00	25 70	24.00
27046	Wheat Fertilizer	Whitehall	2 17	2.00	2.20	2.00	2.07	.....	8.02	8.00	21.33	19.60
	Beck-Walker Co., Chestertown, Md.											
27265	Good Drilling 10 & 5	Chestertown										

	Beck-Walker Co., Chestertown, Md.												
27265	Good Drilling 10 & 5	Chestertown			5.74	5.00	2.17		10.12	10.00	$15.28	$14 00	
27266	Try Me (Low Grade)	Chestertown	.60	.50	3.70	3.00	1.50		9 12	9.00	17 64	15.80	
27267	Trustworthy	Chestertown	2.01	2.00	4.26	5.00	1.45		8.69	8.00	23 31	22.60	
	R. P. Beckley, Half Way, Md.												
27136	Bone Mixture	Half Way	1 59	1.50			.65		13 06	14.00	22.29	22.80	
27137	Wheat & Clover	Half Way	1 08	1.00	4.24	4.00	1.17		12 01	12.00	23.44	22.40	
	N. T. Bennett, New Windsor, Md.												
27172	Butcher House Phosphate	New Windsor	1.04	1.00	3 44	3.00	1.22		9.19	9.00	19.12	17.80	
27173	Wheat Grower Phosphate	New Windsor	1 06	1.00	2.92	2.00	1.15		8.24	8.00	17.51	15.60	
	Berg Co., Philadelphia, Pa.												
27323	Electric Raw Bone Fine	Annapolis	3.43	a2 43			*25.06	*20 00			28.76	21.72	
27332	Standard Bone Manure	Fallston	2.25	b3.65	6.54	5.00	4.02		8.32	8.00	27.13	29.20	
	W. H. Bixler, Hagerstown, Md.												
27138	Bone Phosphate	Hagerstown	2.24	1.50	2 64	2.50	4.02		6.88	8 00	21.47	18.10	
	Bowker Fertilizer Co., Boston, Mass.												
27275	Golden Harvest Fertilizer	Baltimore			5.32	5.00	.65		12.02	12.00	16.27	15.80	
27061	Special Winter Grain Mixture	Baltimore	2.29	2.25	4.14	4.00	3 32	4 50	10 58	9.00	27.33	25.60	
27060	"Stockbridge" Spec Comp. Man.	Baltimore	3.43	4.00	8.50	7.00	.57		10.08	10.00	34.55	35.00	
	Bryant Fertilizer Co., Alexandria, Va.												
27251	Acid Phosphate 16%	Baltimore					1.87		14.01	16 00	12.98	14 40	
27313	Bone & Potash Mixture	Baltimore			1.90	2.00	1.72	1 00	10 98	10 00	12 12	11.20	
27305	Fine Raw Bone Meal	Baltimore	4.28	4.50			*21.52	*20.60			30.03	30.36	
27257	Genuine German Kainit	Seneca			11.16	12 00							
27259	H. G. Potash Mixture	Rockville			4.32	4 00	2.12	1.00	8 98	10.00	12.84	13.20	
27120	S. C. Dissolved Bone	Potomac					1.35		14.59	14.00	13.40	12.60	
	H. Bryant's Son, Alexandria, Va.												
27121	Empress Ammoniated Dis. Bone	Potomac	1.02	1.00	1.18	1.00	1.20		7 84	8 00	15.15	14.60	
27116	Genuine Fish, Bone & Potash	Washington Grove	2.29	2.00	3 34	3.00	1 87		6.96	8.00	21 60	20.60	
27122	German Kainit	Seneca			12.14	12 00							
27117	New Method	Dickerson	1 02	1.00	4.70	4 00	1.60		7.60	8.00	18 54	17.60	
27123	Pure Animal Bone Meal	Seneca	4.68	4.50			*22.16	*21.50			32.02	30.90	
27124	Pure Bone Meal	Seneca	3.82	3.00			*22 94	*23 00			29 04	25 80	
27125	Sol. Bone Phosphate & Potash	Travilah			4.90	5.00	.92		11.56	12.00	15.48	15.80	

*Total Phosphoric Acid. a Nitrogen 2%—Ammonia 2.43%. b Nitrogen 3%—Ammonia 3.65%.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	C. C. Co., Thomas Fertilizer Works, Hagerstown, Md											
27139	Commonwealth Phos. and Pot.	Emmitsburg	.....	.....	2.22	2.00	.67	.....	10.17	10.00	$11 50	$11.00
27 40	Dissolved Phosphate	Paramount	.....	.....	.....	.....	.22	.....	12.48	14.00	11 27	12.60
27141	Dissolved Phosphate	Hagerstown	.....	.....	.....	.....	.22	.....	16.12	16 00	14.55	14.40
27142	Dissolved Bone	Hagerstown	2.51	2.25	4 02	4.00	2.70	.....	9.60	10 00	26.66	25.00
27143	Eastern Special	Emmitsburg.	.....	.....	4.14	4.00	.72	.....	9.82	10 00	13 12	13.00
27144	Empire	Paramount	1 86	2.00	10.60	10.00	.72	.....	8 16	8.00	28 12	27 60
27145	Excelsior Phoenix	Myersville	2.02	2.00	4.04	4 00	.40	.....	8 02	8.00	21 90	21.60
27146	Farmer's Century Brand	Myersville	1.03	1.00	2.16	2.00	.62	.....	9 50	8 00	17.93	15.60
27147	Golden Sheaf	Myersville	1.02	1.00	1.40	1.00	.70	.....	7.88	8.00	15.22	14 60
27148	Pioneer Majestic	Emmitsburg	.....	.....	4.80	5.00	.25	.....	8.34	8.00	12 36	12 20
27149	Potash Special	Emmitsburg	.....	.....	5 02	5 00	.35	.....	12.03	12.00	15.92	15.80
27150	Valley Bone Mixture	Hagerstown	1.96	2.00	2.18	2.00	.40	.....	7.94	8.00	19.71	19.60
27151	Pride of the Valley (Low Grade)	Myersville	.52	.50	3.50	3.00	.45	.....	7.85	8.00	15.18	14.60
	Chesapeake Chemical Co., Balto., Md.											
27252	Reliable Phosphate	Baltimore	.....	.....	4.04	4.00	1 55	.....	10.02	10.00	13.37	13.00
	Coe-Mortimer Co., New York, N. Y.											
27109	Basic Slag Phosphate	Coveys Ldg	.....	.....	.....	.....	2 30	*17.00	c17.10	c15.00	.....	.....
	Columbia Guano Co., Baltimore, Md.											
27306	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.42	.50	16.72	16.00	15.13	14.50
27307	Potash Compound	Baltimore	.....	.....	5.42	5.00	.60	.50	12.57	12.00	16.85	15.90
27308	Prize Crop Phosphate	Baltimore	.....	.....	5 03	5 00	.60	.50	8.01	8.00	12.36	12.30

27307	Potash Compound	Baltimore											
27308	Prize Crop Phosphate	Baltimore			5.03	5.00	.60	.50	8.01	8.00	12.36	12.30	
27309	Wht., Corn & Grass Spec. Fert.	Baltimore	.90	1.00	1.20	1.00	1.22	.50	8.74	8.00	$15.78	$14.80	
	Josiah Cope & Co., Balto., Md.												
27207	Ammoniated Phosphate	Rising Sun	1.14	1.00	3.06	3.00	1.20	.....	8.41	8.00	18.19	16 60	
27276	H. G. Phosphate & Potash	Baltimore	.....	.....	5.66	5.00	.50	.....	10.99	10.00	15 65	14.00	
27324	Potato & Tobacco Phosphate.	Baltimore	.94	1.00	8 36	7.00	1.00	.....	10.81	10.00	25.49	23.00	
27051	Puro Bono Phosphate	Baltimore	2.34	2.25	4.08	4.00	3.17	4.50	10.98	9.00	27.89	25.60	
27105	Try Me Fertilizer	Mardela Springs.	2.03	2 00	4.06	4.00	1.17	.....	8.01	8 00	22.26	21.60	
27277	Universal Mixture	Baltimore	.....	.....	9.68	10.00	.62	.....	8.96	8.00	17.86	17.20	
27052	Wheat & Grass Special	Baltimore	1 02	1.00	1.20	1.00	1.25	.....	8.02	8.00	15.40	14.60	
	C. E. Davis Packing Co., Fleeton, Va.												
27278	Pure Ground Fish	Baltimore	11 50	10 00	.....	.....	*7.51	*3.00	.....	.....	39.01	31.80	
	L. E. P. Dennis & Son, Crisfield, Md.												
27007	Fish & Potash Mixture No. 1	Crisfield	2.83	3.00	5.04	5.00	1.10	.....	6.73	7.00	24.88	25.40	
27008	Fish & Potash Mixture No. 2	Crisfield	1.84	2.00	3 32	3.00	.95	.....	6.67	7 00	19 06	19.40	
	H. E. Dooley & Son, Cardiff, Md.												
27333	Cardiff Mixture	Cardiff	2.08	2.00	5.04	5.00	1.50	.....	8.45	8.00	24.10	22.60	
27334	Special All Crop Mixture	Cardiff	1.16	1.00	5.32	5.00	1.27	.50	8.02	8.00	20.09	18.80	
	J. W. Dorsey, Ellicott City, Md.												
27260	Mixture "D"	Simpsonville	2.35	2 25	4.46	4.00	1.52	1.50	9.14	9.00	25 44	24.40	
	Dudley & Carpenter, Balto., Md.												
27240	Special Wheat Mixture	Baltimore	.....	.....	2.26	3.00	.45	.....	13.40	12.00	14.41	13.80	
	Eastern Chemical Co., N. Y., N. Y.												
27152	Potash Jewel	Half Way	.....	.....	5 18	5.00	.50	.....	11.31	12 00	15.46	15.80	
	Edelen Bros., Balto., Md.												
27301	Spec. Wht. & Grass Mix.	Baltimore	.87	1.00	2.24	2.00	.97	.....	8.80	9.00	16.67	16.80	
	T. W. Eliason, Chestertown, Md.												
27253	Ammon. Super-Phos. of Lime & Pot	Baltimore	1.55	1.50	2.03	2.00	2.35	1.00	8.41	9.00	19 26	19.20	
27254	Our Spec. Dis. Alk. Phos. & Pot.	Baltimore	.....	.....	3.22	3.00	1 95	1.00	11.93	12.00	14.35	14.00	
	J. A. Englar, Linwood, Md.												
27174	No. 1 Ammoniated Bone Phos.	Linwood	2.03	2.00	2.62	1.50	1.37	.....	10.20	9.50	23.53	20.90	
27175	No. 2 Ammoniated Bone Phos.	Linwood	1.08	1.00	2.32	2.40	1.87	.....	10 75	9 80	20.29	18.16	
	Eureka Chemical Co., Balto., Md.												
27053	Alkaline No. 5	Baltimore	.....	.....	5.26	5.00	1.15	.50	11.41	12 00	15.76	15.90	

*Total Phosphoric Acid. c Wagner's Method.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Eureka Chemical Co., Balto., Md.											
27054	Dissolved Bone	Baltimore	2.05	2.00	.....	.....	1.70	.50	11.31	11.00	$22.45	$21.40
27208	Farmer's Favorite	Rising Sun	1.93	2.00	3.22	2.00	.55	.50	8.41	8.00	21.25	19.80
27209	Grain & Grass	Rising Sun	1.01	1.00	2.48	2.00	.77	.50	7.55	8.00	15.89	15.80
27335	High Grade Trucker	Perryman	2.02	2.00	9.62	10.00	.60	.50	9.06	8.00	28.81	27.80
27210	Potato & Vegetable	Rising Sun	1.95	2.00	3.84	4.00	.60	.50	7.94	8.00	21.41	21.80
	W. S. Farmer & Co., Balto., Md.											
27030	B. & P. Phosphate	Baltimore	.....	.....	2.36	2.00	.35	.....	10.46	10.00	11.84	11.00
27316	Clyde Brand	Baltimore	1.06	1.00	2.40	2.00	1.12	.....	8.30	8.00	17.05	15.60
27223	Dissolved S. C. Phosphate	Baltimore	.....	.....	.....	.....	.45	.....	14.49	14.00	13.13	12.60
27062	Empire Alkaline Phosphate	Baltimore	.....	.....	4.68	5.00	.52	.....	10.46	10.00	14.19	14.00
27080	Harvest Queen	Cambridge	1.18	1.25	3.14	3.00	1.32	.....	9.06	9.00	19.26	18.80
27031	Pelican Guano	Baltimore	1.11	.50	3.82	3.00	.92	.....	7.10	6.00	17.15	12.20
27279	Potato & Tobacco Phosphate	Baltimore	1.93	2.00	9.82	10.00	1.25	.....	8.58	8.00	28.34	27.60
27293	Superior Dis. S. C. Rock	Baltimore	.....	.....	.....	.....	.27	.....	16.44	16.00	14.85	14.40
	Farmers' Fertilizer Co., Union Bridge, Md.											
27176	No. 1 Bone Phosphate	Union Bridge	1.33	1.50	2.82	2.25	.92	.....	9.06	8.00	19.38	17.85
27177	Potash Phosphate	Union Bridge	.....	.....	4.30	5.00	1.70	.....	9.81	8.00	13.47	12.20
27153	Union Bridge Favorite	Walkersville	1.18	1.00	2.68	2.00	.80	.....	9.54	8.00	19.17	15.60
	Farmers' Fertilizer & Feed Co., Westminster, Md.											
27179	Carroll Bone Phos. (Low Grade)	Westminster	.84	.75	2.48	2.25	.72	1.25	8.33	7.00	16.13	14.15
27180	High Grade Phosphate	Westminster	1.96	2.00	5.32	5.00	1.42	1.00	11.41	11.00	27.42	26.60

27181	No. 2 Bone Phosphate	Westminster	1.89	2.00	3.62	3.00	.80	1.00	9.21	9.00	$22.55	$22.20
27182	No. 3 Bone Phosphate	Westminster	1.55	1.50	3.72	3 00	.85	1.00	8.16	8.00	20.05	19 00
27183	P. A. & P. Phosphate	Maple Grove	.....	.....	2.02	3.00	1.30	.....	12.63	11.00	13.65	12 90
27184	X. X. Bone Phosphate	Maple Grove	1.06	1.00	3.16	3.00	.62	1.00	9.49	9.00	19.04	18.20
	Farmers' & Planters' Co., Salisbury, Md.											
27213	Fish Mixture	Salisbury	1.23	2.00	2.64	2.00	1.15	.....	9 12	8.00	18.96	19.60
27214	Gen. Crop Grower Mix	Salisbury	.68	1.00	2.58	2.00	.62	.....	10.87	10.00	18 59	18.00
27009	High Grade Potash	Salisbury	.....	.....	4.80	5.00	1.02	.....	9.25	12.00	13.33	15.80
27215	Peerless (Low Grade)	Salisbury	.52	.50	2 40	2.00	1.15	.....	10.25	8.00	17.24	13.60
27338	Special Fish Mixture	Salisbury	1 48	2.50	5.34	5.00	.92	.....	9 46	8.00	22.98	24.60
27011	Trucker's Mixture	Salisbury	3 41	3 50	3 72	4.00	.97	.....	8.53	8.00	27.99	27.60
27216	Wheat & Grass Special	Salisbury	.75	1.00	3 84	5.00	.82	....	10.37	10.00	19.61	21.00
	Farmers' Supply Co., Westminster, Md.											
27185	Standard	Westminster	.96	1.25	2.88	3.00	1.15	.....	10.39	9.00	19.65	18 80
27186	Success (Low Grade)	Westminster	.68	.50	2.24	2.00	1.37	.....	9.17	8.00	16.51	13.60
	Griffith & Boyd Co., Balto., Md.											
27347	Ammoniated Bone Phosphate	.....	1.74	2.00	2.37	2.00	2.89	.....	8.51	8.00	20.70	19.60
27047	Fish, Bone & Potash	White Hall	1 50	1.75	3.34	3 00	2 62	.....	7 37	7.00	19 23	18 40
27039	Fruit & Root Compound	Baltimore	2.46	2.50	6.16	6.00	.90	.....	7.01	7 00	24 77	24.40
27228	Gem Phosphate	Baltimore	.....	.....	3.02	3.00	.85	.....	8.98	6.00	11.27	8.40
27098	Gilt Edge Crop Guano	Charlton	2.06	2.00	8.02	10 00	1.40	.....	7.91	8.00	26.31	27.60
27218	Guano 7%	Baltimore	6.31	7.00	5 18	5.00	1.72	.....	6.25	5.00	38 61	39.00
27081	Harvest Queen	Easton	1.02	1.00	2.94	3.00	1.10	.....	8.10	9.00	17.18	17.80
27480	Harvest Queen	Trappe (J. P. McK.)	.92	1.00	4.02	3.00	2 42	.....	7 69	9.00	17.90	17.80
27197	High Grade Acid Phosphate 14%	Sparks	.....	.....	.....	.....	1.15	.....	14.37	14.00	13 16	12.60
27064	High Grade Acid Phosphate 16%	Baltimore	.....	.....	.....	.....	1.20	.....	15 21	16.00	13 93	14.40
27040	Peerless Fertilizer (Low Grade)	Baltimore	.55	.50	3.06	2.00	1.97	.....	7.66	8.00	15.24	13.60
27224	Pure Fine Ground Bone Meal	Baltimore	4.25	4.00	.....	.....	*19 54	*22.00	.....	.....	28.72	29.20
27082	Royal Potash Guano	Cambridge	1.28	1.00	5 40	4.00	1 85	...	7.02	8 00	19 68	17 60
27065	Soft Ground Bone Meal	Baltimore	3.33	3.00	.....	.....	*13.63	*11.00	.....	.....	21.50	18.60
27032	Soluble Mixture 12 & 5	Baltimore	.....	.....	4.74	5.00	1.42	.....	11.33	12.00	15 22	15 80
27219	Special Grain Grower	Baltimore	.....	...	2 32	2.00	2 42	.....	10.35	10.00	12.12	11.00
27341	Special Guano	Baltimore	1.93	2.00	4.34	5.00	2.50	.....	7.32	8.00	21.84	22 60
27015	Spring Crop Grower	Baltimore	2.01	2.00	4.38	4 50	40	.....	8.37	6 50	22.62	20 30
27225	Stable Manure Substitute	Baltimore	3.24	3.50	4.78	4.00	2.07	.....	5.02	5.00	24.59	24 00
27199	Valley Fertilizer (Low Grade)	Sparks	.67	50	3.05	3.00	.57	.....	8 07	8.00	15 64	14 60
27016	X. X. Potash Manure	Baltimore	.....	.....	4.78	5.00	.15	.....	11.37	10.00	15.04	14.00

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Griffith & Turner Co., Balto., Md.											
27325	Ammon. Butcher's Bone Phos..	Baltimore	1.48	1.25	2.16	1.50	1.97	.....	9.23	9.00	$19.95	$17.30
27326	Ammoniated Alkaline Plant Food	Baltimore	1.02	1.00	2 74	1.50	2.52	1.00	6.77	6.50	15.95	13.70
27327	Animal Bone Phosphate.....	Baltimore	2.03	2.50	1.84	1.50	3.60	.....	7.37	10.00	20.24	23.50
27328	Soft Ground Bone.....	Baltimore	2.13	2.00	.....	.....	*24.34	*22.90	.....	.....	23.12	21.74
	Hampstead Fertilizer Co., Hampstead, Md.											
27187	Honesty.....	Hampstead.....	1.02	1.00	2.84	2.00	1.05	.....	8.71	8.00	17.79	15.60
27188	Special Mixture.....	Hampstead.....	2.08	2.00	3.64	5.00	.55	.....	10.64	8.00	24.95	22.60
	S. M. Hess & Bro., Philadelphia, Pa.											
27317	Ammoniated Super-Phosphate..	Baltimore	2.02	2.00	2.08	2.00	1.17	.....	8.52	8.00	20.85	19.60
27314	Farmer's Cereal King...	Baltimore	.....	.....	4.38	3.00	.57	.....	12 23	12 00	15.50	13 80
27099	Farmer's Favorite.....	Chewsville.....	1.93	2 00	5.34	5.00	1.52	.....	7.76	8.00	22.98	22.60
27500	Fish & Potash Manure	Pocomoke City.....	2.03	2.00	3.08	3.00	.90	.....	8.15	8.00	21.34	20.60
27025	Keystone Phosphate.....	Baltimore	1.04	1.00	1.06	1.00	.90	.....	7.85	8.00	15 00	14.80
27280	Peerless Phosphate.....	Baltimore	.....	.....	5.38	5.00	.65	.....	12.31	12.00	16.59	15 60
27100	Soluble Phosphate.....	Chewsville.....	.....	.....	.....	.....	.57	.....	14.91	14.00	13.53	12.60
27026	Soluble Phosphate & Potash....	Baltimore	.....	.....	2.02	2.00	.27	.....	10 81	10.00	11 80	11.00
27514	Special Compound.....	Baltimore	1.04	1.00	4.06	4.00	1.25	.....	7.87	8.00	18.16	17.60
27501	Special Corn Manure.....	Pocomoke City.....	.92	1 00	2.02	2.00	.97	.....	8 02	8.00	15.71	15.60
27101	Superior Potash Mixture.....	Chewsville.....	2.10	2.00	10 02	10.00	1.40	... ..	8.04	8.00	28.63	27 60
27502	Wheat & Grass.....	Pocomoke City	.89	1.00	2.10	2.00	.90	....	8.09	8.00	15.73	15.60

	Home Fertilizer & Chemical Co.,	**Balto., Md.**										
		Baltimore	.....	.....	5.14	5.00	.95	1.00	11.47	10.00	$15.65	$14.20
27241	Bone & Potash	Valley Lee (W.B.B.)	3.17	3.00	5.38	6.00	.65	.....	10.02	10.00	30.34	30.00
27482	Special Mixture	Baltimore	.....	.....	2.86	3.00	.52	.....	7.47	6.00	9.68	8.40
27311	Universal Compound (L. G.)											
	W. H. Hood, Mt. Airy, Md.											
27158	Special Mixture	Mt. Airy	.80	1.00	2.48	2.00	2.27	.....	11 56	9.00	20.46	16.80
	Horsey, Roe & Co., Greensboro, Md.											
		Greensboro	1.18	1.00	4.80	4.00	.85	1.00	8 36	8.00	19.89	18.00
27110	1-8-4	Greensboro	.....	.....	7.12	5.00	.87	.....	11.64	12 00	17.77	15.80
27111	Rock & Potash											
	Hubbard Fertilizer Co., Balto., Md.											
		Cambridge	.....	.....	5.28	5.00	2 00	.....	12.38	12.00	16.82	15.80
27106	Alkaline 12 & 5	.....	.....	.....	2.32	2.00	1.57	.....	10.54	10 00	12 12	11.00
27340	B. & P. 10-2	Secretary	1.37	1.00	5.14	4.00	1.35	.....	7.46	7.00	20.11	16.40
27107	Climax Phosphate	Myersville	.63	.50	2.54	2.00	1.10	.....	8.05	8.00	15.16	13.60
27154	Columbia Gem (Low Grade)	Sharpsburg	1.77	2.00	2 22	2.00	1 50	.....	7.89	8 00	19.37	19.60
27102	Farmer's I. X. L.	Baltimore	2.01	2.00	10.02	10.00	1.02	.....	7.87	8.00	27.91	27.60
27310	Jersey Trucker	Denton	1.31	1.25	5.34	5.00	.92	.....	7.64	8.00	20.12	19.60
27112	Jewel Phosphate	Sykesville	1.96	2.00	5.12	5.00	1.20	.....	8.01	8.00	23.05	22 60
27159	Money Maker	Buck Lodge	1.02	1.00	2.80	2.00	1.62	.....	8.07	8.00	17.21	15 60
27118	Oriental Phosphate	Sharpsburg	.....	.....	.....	.....	.65	.....	15.53	14.00	14.11	12.60
27103	Phosphate 14%	.....	.....	.....	.....	.....	.17	.....	16.47	16.00	14.85	14.40
27343	Phosphate 16%	Baltimore	2.71	3.00	4.86	4.00	.87	.....	7.55	8.00	25.11	25.60
27066	Royal Ensign	Buck Lodge	.....	.....	4.08	4.00	1.40	.....	10.54	10.00	13.85	13.00
27119	Special Mixture	Westminster	2.03	2.00	3.20	3.00	1.15	.....	8.02	8.00	21.40	20.60
27190	Standard											
	M. P. Hubbard & Co., Balto., Md.											
		Baltimore	1.64	2.00	2.14	2.00	.95	.....	9.87	8.00	20.92	19.60
27242	Celebrated Phosphate	Baltimore	.77	1.25	2.44	2.00	1.27	1.50	8.37	8.00	16.07	17 20
27281	Excelsior Super-Phos	.....	.96	1.00	4.26	4.00	2.05	.....	7.82	8.00	18 30	17.60
27342	Farmer's Acme	Baltimore	.26	.25	1.64	1.00	1.20	1.00	8.50	7.00	13 36	10.80
27243	Fish & Potash Mix. (Low Grade)	Baltimore	1.14	1.00	4.30	3 00	.70	1.00	10.03	9.00	21 18	18.20
27515	Harvest King Phosphate	Baltimore	1.42	2.00	11.40	10.00	.67	1 00	7 09	7.00	25.86	26.80
27315	Jersey Special	Monkton	1.23	2.00	3.62	5.00	1.25	1.50	10.86	9.00	22 07	24 40
27200	Maloney's Wheat & Grain Mix.	Monkton	.38	.50	2.06	2.00	1.40	1.00	9 34	8.00	15.35	14.00
27201	Old Economy (Low Grade)	Snow Hill	.....	.....	2 94	2.00	.27	.....	11 46	10.00	13 30	11 00
27503	Soluble Rock & Potash	Baltimore	1.54	2 00	5.70	5.00	.95	.....	8.47	7 00	22 40	21.40
27041	Spec. Potato & Tomato Fert.	Baltimore	.....	.....	4.88	5.00	.50	1.50	12.25	12.00	16.01	16 10
27523	XXXX Rock & Potash Mixture.											

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Imperial Manufacturing Co., Balto., Md.											
27839	Fish, Bone & Potash	Laurel	1.18	1.25	2.12	2.00	1.20	.....	8 24	8.00	$17.21	$16 60
27743	Slingluff's Wheat Special	Baltimore	1.08	1.00	5.46	5.00	1.17	.....	8.35	8.00	20.27	18.60
	Lister's Agricultural Chemical Works, Newark, N. J.											
27602	Atlas Brand Alkaline Fertilizer	Baltimore	.....	.....	5.64	5.00	.50	.....	12.02	12.00	16.56	15.80
27744	Bone Meal	Baltimore	3.84	3.25	.....	.....	*23.46	*22.88	.....	.....	29.44	26 73
27627	Buyers' Choice Acid Phos.	Chewsville	.....	.....	.....	.....	.25	.....	15.10	14.00	13.64	12.60
27524	Cel. Gr. Bone & Tank. Acidulated	Baltimore	2 85	3.25	.....	.....	*12.30	*12.00	.....	.....	18.78	20.20
27717	Crescent Complete Manure	White Hall	2.01	2.00	5.06	5.00	.90	.....	9.11	8 00	24.39	22 60
27812	Dissolved Phosphate & Potash	Baltimore	.....	.....	2.20	2.00	.50	.....	10.34	10 00	11.61	11.00
27593	"G" Brand	Baltimore	1.14	1 00	4.08	4.00	1.05	.....	8.80	8.00	19 62	17.60
27767	Golden Sheaf (Low Grade)	Baltimore	.68	.50	1.74	2.00	.80	.....	8 64	8.00	15.15	13.60
27628	Harvest Queen	Chewsville	1.53	1.50	2.34	2 00	1.42	.....	9 18	9.00	20 05	18.80
27784	High Grade Acid Phosphate	Baltimore	.....	.....	.....	.....	.30	.....	16 50	16.00	14.91	14.40
27674	Phosphoric Acid & Potash	Gaithersburg	.....	.....	4 12	4.00	.85	.....	10.11	10.00	13.39	13.00
27539	Potash Mixture	Baltimore	.....	.....	5 32	5.00	.37	.....	8.35	8.00	12.91	12.20
27804	Spec. Crop Producer (Low Grade)	Baltimore	1 43	1.00	1 58	1.00	1.00	.....	8.26	7.00	17 61	13.40
27849	Special 7% Potato Guano	Baltimore	6 42	7.00	5.44	5 00	1.37	.....	6.84	6.00	39 88	40.20
27718	Special 10% Fertilizer	White Hall	2 04	2.00	10.56	10.00	.82	.....	8.63	8.00	29.41	27.60
27586	Special Wheat Fertilizer	Baltimore	2.05	2 00	3 12	3.00	1.10	.....	8.34	8.00	21.77	20.60
27550	Stand. Pure Super-Phos. of Lime	Baltimore	2.80	3 00	2.06	2.00	2.02	.....	8.84	9.00	24.68	24 80
27785	U. S. Super-Phosphate	Baltimore	1.28	1.25	2.34	2.00	1.30	.....	7.90	8.00	17.46	16.00

	T. W. McAbee, Bel Air, Md.											
27845	Crop Producer	Bel Air	1.54	1.50	2.02	2.00	1.25	.....	8.54	8.00	$18.98	$17.60
	McComas Bros., Bel Air, Md.											
27846	High Grad Fertilizer	Bel Air	1.52	1.50	5.06	5 00	.75	.....	7.03	6.00	19.88	18.20
	D. B. Martin Co., Phila., Pa.											
27680	Acid Phosphate	Myersville	.....	.....	.....	.....	.25	.....	14.02	14 00	12.67	12.60
27543	Acid Phosphate	Baltimore	.....	.....	.....	.....	.80	.....	16.02	16.00	14 58	14 40
27842	Bone, Blood & Potash	Baltimore	4 02	5.00	6 88	7.00	1.15	.....	8.73	8.00	33.90	36.60
27730	Claremont Vegetable Grower...	Leslie	2.51	3.00	4.48	5.00	2 50	.....	7.11	7.00	24.05	25.40
27757	Corn & Cereal Special	Baltimore	2 10	2.00	2.34	2.00	87	.....	10.86	8.00	24.12	19.60
27629	Crop Producer	Keedysville	1.37	1.25	.....	.....	2 60	.....	8.22	10.00	16.38	17.60
27758	Dissolved Organic Compound...	Baltimore	1.26	1.25	2 04	2 00	2.55	.....	9.37	9.00	19.34	17.80
27843	Early Truck & Veg. Grower....	Baltimore	4.54	4.00	8.36	8 00	1 10	.....	8.21	6 00	36 81	31.20
27759	One, Eight & Four	Baltimore	1 03	1.00	3 84	4.00	2.07	.....	8.23	8.00	18.67	17 60
27659	Potash & Soluble Phosphate....	St. Martins	.....	.....	3.38	5.00	1.05	.....	10 20	8.00	12 77	12.20
27681	Potash & Soluble Phosphate....	Graceham	.....	.....	4 32	5.00	1.05	.....	11.03	12 00	14 46	15 80
27813	Prize Potato	Baltimore	1.69	2 00	8.02	10 00	2.45	.....	8.02	8.00	25 38	27.60
27768	Pure Ground Bone	Baltimore	3.04	3.00	.....	.....	*23 59	*22.90	.....	.....	26.31	25.74
27834	Pure Raw Bone Meal	Baltimore	4.78	4.50	.....	.....	*24.12	*22.00	.....	.....	33 59	31 20
27856	Special Compound	.....	2.04	2.00	5.50	5.00	2.70	.....	7 57	8.00	23.82	22 60
27682	Special Fertilizer (Low Grade)..	Graceham	.51	.50	1.46	2 00	37	.....	9.83	8.00	15.45	13 60
27525	Special Potato Manure	Baltimore	.92	1.00	5.36	5.00	1.72	.....	9.60	8.00	21.25	18.60
27683	Sure Grower	Adamstown	1 16	1.00	1.22	1.00	2 25	.....	8.03	8.00	16.40	14 60
	Mason & Hollingsworth Newark, Md.†											
27451	Hoosier Hustler Compound	Newark (A. C. H.)	1.52	2.00	6.26	7 00	.77	.....	8.73	10.00	23.13	27.00
	F. Mehring, Keymar, Md.											
27632	Acid Phosphate	Walkersville	.....	.....	.....	.....	1.57	.....	16.14	16.00	14.94	14.40
27634	Dissolved Raw Bone	Williamsport	2.39	2.00	.....	.....	1 57	.....	15 47	14 00	28 75	24.80
27633	Emmert's Half & Half	Williamsport	1.06	1.00	2.16	2 00	.95	.....	14.19	13.00	23 81	21.60
27706	General Crop Grower	Keymar	.87	1.00	2 10	1 75	2.15	1.00	11.64	10.00	20.41	18 15
27635	Twenty Six Dollar Phosphate...	Walkersville	1.54	1.75	2.26	1.75	2.45	1.00	12 89	11.00	24.87	22.35
	Miller Fertilizer Co., Balto., Md.											
27551	Acid Phosphate	Baltimore	.....	.....	.....	.....	1.75	.....	15 02	14 00	13 87	12.60
27859	Alkaline	Baltimore	.....	.....	5.02	5.00	.97	.50	11.51	12.00	15.57	15 90
27552	Ammoniated Dissolved Bone ...	Baltimore	2.01	2.00	2.20	2.00	.55	.50	8.85	8.00	21 08	19.80
27868	Clinch Phosphate	Baltimore	.....	.....	2.64	2.00	.87	.50	10.11	10.00	11.91	11.10

*Total Phosphoric Acid. †Made by Farmer's & Planter's Co.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Miller Fertilizer Co., Balto., Md.											
27526	Club Brand (Low Grade)	Baltimore	.61	.50	2.18	2.00	.97	.50	8.10	8 00	$14.73	$13.80
27835	Dissolved Raw Bone	Baltimore	2.01	2.00	.....	.....	1.47	.50	10.56	11.00	21.30	21.40
27630	Farmer's Profit	Keedysville	1.06	1.00	5.02	5.00	.87	.50	8.02	8.00	19.23	18.80
27578	Harvest Queen	Sparks	1.33	1.25	3.10	2.75	.42	.....	9.38	9.00	19 85	18 55
27631	Hustler Phosphate	Keedysville	1 02	1.00	1.28	1.00	.62	.50	8.47	8.00	15.77	14.80
27769	M. B. S	Baltimore	1.13	1.00	3 46	3.00	.77	.50	8.03	7.00	17.93	15.60
27505	Pimlico	Rehobeth	1.95	2.00	10 14	10.00	.50	.....	8.01	8.00	27.75	27.60
27746	Potash Mixture	Baltimore	.....	.....	4.80	5.00	1.12	.50	10.02	10.00	14.04	14 10
27747	Potato & Vegetable Grower	Baltimore	2 06	2.00	4.38	4 00	.75	.50	7.89	8.00	22.39	21.80
27553	Special Alkaline	Baltimore	.....	.....	5.36	5.00	.95	.50	7.67	8.00	12.45	12.30
27869	Standard Phosphate	.....	2.95	3 00	3.04	3.00	.67	.50	8.37	8.00	25.15	24.80
27579	W. G. Phosphate (Low Grade)	Sparks	.58	.50	1.16	1.00	.60	.50	7.43	7.00	12.64	11.60
	National Guano Co., Aurora, Ill.											
27844	Sheeps Head Br. Pul. Sheep Man.	Baltimore	3.04	d2.73	1.94	1.50	.15	.....	1.64	1.00	16 13	13.62
	V. W. Nicodemus, Monrovia, Md.											
27636	Sullivan's S. S. S	Monrovia	2.13	2.00	2.26	2.00	1 85	.....	7.70	9.00	20.76	20.80
	G. Ober & Sons, Baltimore, Md.											
27864	Dissolved Bone Phosphate	Baltimore	.....	.....	.....	.....	.57	.....	15.42	14 00	13.99	12.60
27569	Dis. Bone Phos. & Potash	Baltimore	.....	.....	2.38	2.00	.62	.....	10.01	10.00	11 51	11.00
27865	Farmer's Mixture	.....	.96	1.00	2.48	2.00	1.07	.....	9 07	9.00	17.63	16.80
27824	Farmer's Stand. Amm'd. Phos.	Baltimore	2.12	2.00	2.34	2.00	.92	.....	9.07	9.00	22.07	20 80

27824	Farmer's Stand. Amm'd. Phos.	Baltimore	2.12	2.00	2.34	2.00	.92		9.07	9.00	22.07	20.80

27660	Fish, Bone & Potash	Showell	2.64	3.25	4.44	3 50	.87		9.43	8.00	$26.67	$26.10
27863	High Grade Acid Phosphate	Baltimore					.77		16.04	16.00	14.59	14.40
27786	Ind. Amm'd. Super-Phosphate	Baltimore	1.06	1.00	1.18	1.00	1.90		9.83	8.00	17.98	14.60
27595	Ox Head Mixture (Low Grade)	Baltimore	.70	.50	2.10	2.00	.80		7.44	8.00	14.15	13.60
27805	Pure Bone Meal	Baltimore	3.81	3.00			*23.53	*22.00			29.36	25.20
27829	Sol. Amm'd. Super-Phos. of Lime	Baltimore	2.01	2.00	2.48	2.00	1.50		8.83	8.00	21.72	19.60
27528	Special Plant Food	Baltimore	1.88	2.00	5.04	5.00	.55		10.35	9.00	25.20	23.80
27570	Stag Guano	Baltimore	1.66	1.00	4.36	4.00	.77		8.54	8.00	21.56	17.60
27540	Standard Potash Compound	Baltimore			4.34	5.00	.77		13.91	12.00	17.01	15.80
	Patapsco Guano Co., Balto., Md.											
27637	Alkaline Phosphate	Maugansville			4.20	3.00	.55		11.71	12.00	14.85	13.80
27596	Alkaline Plant Food	Baltimore			4.74	5.00	.22		8.64	8.00	12.56	12.20
27770	Baltimore Soluble Phosphate	Baltimore			2.12	2.00	.37		11.46	11.00	12.50	11.90
27580	Blood, Bone & Potash (L. Grade)	Cockeysville	.58	.50	2.04	2.00	.70		8.18	8.00	14.46	13.60
27581	Coon Brand Guano	Cockeysville	1.01	1.00	3.02	3.00	1.20		9.13	9.00	18.50	17.80
27555	Dissolved Raw Bone	Baltimore	2.25	2.50			2.02		12.21	12.00	24.46	24.40
27771	Fish Guano	Baltimore	2.12	2.00	2.52	2.00	2.57		7.66	6.00	21.22	17.20
27787	Grain and Grass Producer	Baltimore	1.04	1.00	4.58	4 00	.97		7.81	8.00	18.50	17 60
27582	Grange Mixture	Cockeysville	2 05	2.00	2.02	2.00	1.15		8.25	8.00	20.58	19.60
27605	H. G. Phosphate & Potash	Cumberland			5.18	5 00	.70		11.32	11.00	15.51	14.90
2763*	Peninsula Potash Mixture	Maugansville			5.70	5.00	.65		12.02	12.00	16.65	15.80
27606	Phospho Potash (Low Grade)	Cumberland			2.64	3.00	.55		7 36	6.00	9.37	8.40
27556	Pure Dissolved S. C. Phosphate	Baltimore					.65		14.62	14.00	13.29	12.60
27583	Pure Raw Bone	Cockeysville	4 32	4.50			*21.39	*21.51			30.11	30.91
27584	Sea Gull Guano	Cockeysville	1.09	1.00	1.04	1 00	1.07		8 02	8.00	15.45	14.60
27597	Soluble Phosphate and Potash	Baltimore			2.03	2.00	.35		10.60	10.00	11 64	11.00
27603	Spec. Wht. Comp. Ani. Bone Base	Baltimore	2.39	2.25	1.66	2.50	6.20	5.00	7.57	9 00	22.78	24 30
27765	Tobacco & Potato Fertilizer	Baltimore	1.91	2.00	4.22	4.00	1 45		8 02	8.00	22.06	21.60
	Peerless Fertilizer Co., Chestertown, Md.											
27799	Ford's Ideal (Low Grade)	Choptank	52	.50	6.70	5.00	.62		8.02	8.00	18.65	16.60
27796	Imperial Compound	Barclay	.85	1.00	5.28	4.00	.87		7.85	8.00	18.45	17.60
27737	Pennington Mixture (LowGrade)	Marion	.36	.50	3.28	3.00	.77		9.32	8.00	16 21	14.60
27797	Special Formula	Chestertown	1.79	2.00	5.02	5 00	.62		8.08	8.00	22.13	22.60
27798	Special Formula	Chestertown			7.50	5.00	.62		8.61	10.00	15.37	14.00
	Piedmont-Mt. Airy Guano Co., Balto., Md.											
27639	Gower's Bone Mixture	Williamsport	1.69	1.50			2.67		12.82	14.00	23.21	22.80
27640	Gower's Half & Half Mixture	Williamsport	1.11	.75	2.07	2.00	1.55		12.03	13.00	21.57	20.60

* d Nitrogen 2.25% = Ammonia 2.73%

*Total Phosphoric Acid.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Piedmont-Mt. Airy Guano Co., Bal	**to., Md.**										
27641	Gower's Wheat and Clover	Williamsport	1.23	1.00	4 30	4.00	.85	.....	9 43	10 00	$20.88	$20.00
27537	Levering's Ammoniated Bone...	Baltimore	.92	1.00	3 62	3.00	.82	.....	9.72	9.00	19.29	17.80
27814	Levering's Potash & Bone.....	Baltimore	.....	.....	5.20	4 00	.15	.....	10.55	10.00	14.73	13 00
27559	Levering's Harvest Queen.....	Baltimore	1.16	1.00	2.48	2.00	.80	.....	8.02	8.00	17 06	15.60
27701	Levering's Standard.....	Mt. Airy.....	1.64	2.00	2.76	3.00	1.77	.....	8.34	8.00	20.04	20 60
27684	Peerless Phosphate.....	Bartholows	.90	1 00	1.78	1.50	.95	2.00	8.42	8.00	15.86	15 90
27773	Piedmont Acid Phosphate 16%..	Baltimore	.....	.....	.....	.....	.50	.....	16 24	16.00	14 72	14.40
27557	Piedmont Economy (Low Gr.)..	Baltimore	.29	25	2.08	2 00	1.37	.....	10.54	10 00	16.44	15.00
27558	Piedmont Farmers' Favorite....	Baltimore	.92	1.00	4.52	4.00	.82	.....	8.71	8.00	18.98	17.60
27587	Piedmont Farmers' Potash Mix.	Baltimore	.....	.....	2.02	2.00	.60	.....	10.92	10.00	11 97	11.00
27760	Piedmont Fish Guano	Baltimore	1.96	2.00	2.94	2.00	1.52	.....	7 84	8.00	20 80	19.60
27830	Pd'mt Gem Fertilizer (Low Gr.)	Baltimore	.....	.....	3 72	3.00	.10	.....	6 88	6.00	9.93	8.40
27852	Piedmont General Crop Grower	Pocomoke City	1.54	1.25	3.04	2.00	.45	.....	8.54	8.00	19.63	16.60
27772	Pdmt. H.G Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	.20	.....	14 94	14.00	13.49	12 60
27669	Piedmont Perfection Guano.....	Greensboro.....	1.37	2 00	5.48	5.00	.80	.....	8.90	8.00	21.96	22.60
27718	Piedmont Plow Brand	Baltimore	2 01	2.00	2.36	2 00	1.35	.....	7.80	8 00	20.30	19.60
27719	Piedmont Pure Raw Bone Mix..	Owings Mills	1 27	1.25	2.32	2.00	.86	.....	10.49	8 00	20.33	16.60
27720	Piedmont Special Mixture	Sparks	1.76	2.00	5 60	5.00	7.30	.....	9.28	12.00	26.70	27.40
27560	Piedmont Special Potash Mix ...	Baltimore	.....	.....	5.54	5.00	.60	.....	10.13	10.00	14.78	14 00
27761	Piedmont Special Truck Fert ...	Baltimore	6.11	7 00	6 80	5.00	1.85	.....	6.18	6.00	39.40	40.20
27702	Pdmt. Spec. Wheat & Grass Phos.	Mt. Airy.....	1.55	2.00	2.46	2.00	1 57	2.00	8.83	8 50	19.96	21.00
27703	Pdmt. Standard Dis. Bone Phos.	Mt. Airy.....	.92	1.00	2.84	2 00	.80	2.00	10.36	10.00	19.27	18.80

27704	Piedmont Success (Low Grade)	Mt. Airy	.36	.25	5.60	5.00	.35		9.18	9.00	$18.14	$16.80	
27571	Piedmont Wheat Compound	Baltimore			7.30	5.00	.92		11.10	12.00	17.47	15.80	
	Pollock Fertilizer Co., Balto., Md.												
27572	Ammoniated Super-Phosphate	Baltimore	2.03	2 00	2.02	2.00	1.10		8.08	8 00	20 28	19.60	
27806	Crop Invigorator	Baltimore	1.01	1.00	4.14	4.00	1.20		8.19	8.00	18 49	17 60	
27774	Dissolved Phosphate & Potash	Baltimore			4 02	4.00	32		11.52	10.00	14.45	13 00	
27816	Dissolved S. C. Phosphate	Baltimore					.90		14.85	14.00	13.55	12.60	
27544	Owl Brand Guano (Low Grade)	Baltimore	75	.50	1 80	1.50	.97		7.41	7.00	14.08	11 90	
27762	Soft Ground Bone	Baltimore	3.14	3.00			*13 13	*13.73			20 44	20 24	
27831	Soluble Phosphate	Baltimore			1 80	2.00	.50		11 44	10.00	12 20	11.00	
27545	Special Potato & Tobacco Fert	Baltimore	2.13	2.00	4 06	4.00	1.45		8 23	8.00	23.04	21 60	
27588	Special Wheat & Corn Fert	Baltimore	1.02	1.00	1.76	2.00	1.07		8 48	8.00	16.45	15.60	
27573	Star Alkaline Phosphate	Baltimore			4.96	5.00	.52		12.73	12.00	16.52	15.80	
27817	Sun Guano	Baltimore			5.44	6.00	.42		10 96	10 00	15 38	15 00	
27832	Victor Brand Phos. (Low Grade)	Baltimore			1 52	1.00	.40		10.87	9.00	11 38	9.10	
	Ramsburg Fertilizer Co., Frederick, Md.												
27612	Alkaline Phosphate	Monrovia			2 50	2 00	1 87		11.77	10 00	13.46	11.00	
27870	Ammoniated Bone Phosphate	Frederick	1 13	1.00	2.70	2.00	3 20		10.18	10 00	20.72	18.00	
27614	Excelsior Plant Food	Washington Grove	1.88	2 00	2.02	2.00	5 22		8.44	9.00	21.76	20 80	
27643	Old Virginia Compound	Monrovia	1 01	1 21	3 08	4.00	3.02		10.51	8 00	20.94	18.44	
27615	Queen (Low Grade)	Boyds	.56	.50	1.04	1 00	4.20		9.43	8 00	16 28	12.60	
27616	Special Rock & Potash	Boyds			4 02	5.00	1 80		11.25	10 00	14.51	14 00	
27685	Super-Phosphate	Bartholows					2.55		14 32	14 00	13.40	12.60	
27644	William's Wheat & Grass	Monrovia	1.11	1.00	2.28	2.00	5.00		8.76	8.00	19.23	15.60	
	Rasin-Monumental Co., Balto., Md.												
27686	†M. & C's Md. Alkaline Phos	Woodsboro			2.36	2.00	2 65	1.00	9.38	10 00	11.33	11 20	
27645	†M. & C's Maryland Plow Brand	Woodsboro	1.16	1 00	1 90	2.00	3.50	1 00	7.03	8 00	16 38	16.00	
27646	†M. & C's Md. Sun H. G. Guano	Woodsboro	1 11	1 00	e1.20	1.00	3.35	1.00	8 70	8.00	17.66	15 20	
27687	Old Liberty Ammoniated Bone	Woodsboro	1.02	1.00	4 18	4.00	2.45	1.00	7.38	7 00	18.10	16 80	
27625	Rasin's Acid Phosphate	Easton					1 45	1 00	14 02	14 00	12 91	12.80	
27675	Rasin's Acid Phosphate 16%	Silver Spring					1 30	1 00	17 01	16 00	15 57	14.60	
27617	Rasin's Best Wht. & Grass Prod	Big Spring	1.45	1.50	3 02	3 00	3.27	1 00	9 48	8.00	21 51	19 00	
27598	Rasin's Bone & Potash Fert	Baltimore			2.40	2.00	2 12	1 00	9.21	10.00	11 11	11.20	
27688	Rasin's Empire Guano	Woodsboro	2.10	2.00	2 16	2.00	3 30	1.00	7.44	8 00	20 81	20.00	
27661	Rasin's Gold Standard	Pocomoke City	3.01	3.00	5.86	6 00	2 35		6.08	6.00	26.14	25.20	
27689	Rasin's Half & Half Mix. (L. Gr.)	Graceham			3.14	3.00	1 07	1.00	6 21	6 00	8 94	8 60	
27574	Rasin's H G. Bone & Potash	Baltimore			5.10	5.00	2.10	1.00	11 13	12.00	15.54	16.00	

† Miller & Cramer, Woodsboro, Md. *Total Phosphoric Acid. e As Sulphate

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Rasin-Monumental Co., Balto., Md.											
27617	Rasin's I.X.L. Fertilizer	Washington Grove..	.94	1.00	2.46	3.00	2.15	1.00	9.02	9 00	$17.90	$18.20
27618	Rasin's National Crop Comp.	Gaithersburg	1.04	1.00	3 50	4.00	2.87	1.00	8 02	8 00	18 43	18.00
27619	Rasin's Royal Fish, Bone & Pot.	Gaithersburg	1.95	2.00	2.94	3.00	3.40	1.00	7.82	8.00	21.48	21.00
27538	Rasin's Sol. Alkaline Bone	Baltimore	.....	.....	3.24	3 00	1.90	1.00	11.54	12.00	14.01	14.00
27862	Rasin's Special Bone & Potash..	.....	.....	.....	5.38	5.00	1.95	1.00	10.04	10.00	14.81	14.20
27840	Rasin's Spec. Fish & Pot. Mix.	Laurel	2.51	2 00	3.14	3.00	2.40	1.00	6.65	6 00	22.12	18.60
27529	Rasin's Spec. Formula (Low Gr.)	Baltimore	.....	.....	2.92	3.00	1.57	1.00	5.62	6.00	8 29	8.60
27707	Rasin's United Grain Grower..	Manchester	1.06	1.00	2.10	2.00	2.30	1.00	7.79	8 00	16.61	16.00
27541	Rasin's Vegetable Special	Baltimore	2.44	2.00	10.28	10 00	2.27	1.00	7.05	8.00	29.41	28.00
27857	Rasin's Wht., Corn & Oats Mix. (Low Gr.)	Baltimore	.58	.50	2.26	2 00	2.40	1.00	7.66	8.00	14.73	14.00
27600	Rasin's Wheat Potash Mixture	Baltimore	.....	.....	5.03	5 00	1.17	1.00	8.11	8.00	12.56	12.40
27690	Rasin's Wheat & Truck Mixture	Emmitsburg	.....	.....	8.58	8.00	2.12	1.00	9.04	10.00	17.14	17.20
27620	Rasin's XXX Fertilizer	Washington Grove..	1.96	2.00	4.60	5 00	2.72	1.00	8.14	8.00	23.30	23 00
27648	‡Spec. Grain & Grass Producer..	Big Spring	1.08	1.00	4.76	5.00	2.05	1.00	13.60	12.00	26.22	23.80
27621	Walker's Mixture	Gaithersburg	1 09	1.00	1.66	1.50	2.15	1.00	8.59	9.00	17.19	16 70
27622	Wm. Penn Crop Grower	Gaithersburg	1.01	1.00	1.04	1.00	3.57	1.00	7.76	8.00	15.82	15.00
	Reindollar Co., Taneytown, Md.											
27708	Economy Fertilizer	Taneytown	1.14	1.00	4.18	4.00	2 12	.....	9 02	8.00	20.41	17.60
27709	Rock & Potash No. 2	Taneytown	.....	.....	5.18	5.00	.87	.....	11.26	10.00	15.48	14.00

	Ralph Riggins & Bro., Crisfield, Md.											
27853	Ground Crab Shell	Crisfield	4.52	.....	.....	.....	*3.63	.....	.....	.....	$15.74	.....
	W. E. Robinson & Co., Be Air, Md.											
27847	Special Mixture	Fallston	2.01	2.00	4.92	5.00	.75	.50	8.14	8.00	23.03	$22.80
27848	Vegetable & Grain Fertilizer	Fallston	1.86	2.00	2.44	2.00	.47	.50	8.54	8.00	20.32	19.80
	F. S. Royster Guano Co., Balto., Md.											
27748	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	1.02	.50	14.41	14.00	13.17	12.70
27775	Ammoniated Potash Compound	Baltimore	1.18	1.00	7.10	7.00	1.15	.50	10.17	9.00	24.48	22.00
27860	Arrow Potato Guano	Baltimore	6.23	7.00	5.06	5.00	1.50	.50	6.76	6.00	38.69	40.40
27727	Bumper Crop Phosphate	Dover Bridge	.....	.....	5.08	5.00	.72	.50	8.43	8.00	12.81	12.30
27738	Champion Crop Compound	Rehobeth	2.03	2.00	3.76	4.00	1.47	.....	8.02	8.00	22.09	21.60
27789	Gold Seal Potato Special	Baltimore	2.01	2.00	10.50	10.00	1.42	.50	7.65	8.00	28.29	27.80
27749	Harvest King Fertilizer	Baltimore	2.02	2.00	2.18	2.00	1.45	.50	8.02	8.00	20.46	19.80
27828	H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.25	.50	17.19	16.00	15.52	14.50
27671	Imperial Formula	Greensboro	1.19	1.00	4.26	4.00	1.80	.50	7.40	8.00	18.62	17 80
27854	Maloney's Spec. Wht. & Gr. Mix.	Ellicott City	2.01	2.00	5.32	5.00	1 30	.50	9.27	9.00	25 00	24.00
27776	Peerless Grain & Grass Grower	Baltimore	.....	.....	2.06	2.00	.62	.50	10.02	10.00	11.20	11.10
27818	Plow Brand Crop Grower	Baltimore	1.47	1.00	1.44	1.00	1.30	.50	8.79	8.00	18.39	14.80
27575	Seeding Down Special Fertilizer	Baltimore	.94	1.00	3.16	3.00	.90	.50	8.90	9.00	17.96	18.00
27531	Superior Potash Mixture	Baltimore	.....	.....	5.14	5.00	1.27	.50	12.07	12.00	16.25	15.90
27777	Wheat, Oats & Barley Fertilizer	Baltimore	1.09	1.00	2.38	2.00	1.32	.50	7.42	8.00	16.17	15.80
	Scott Fertilizer Co., Elkton, Md.											
27731	Potato Grower	Childs	2.06	2.00	11.02	10.00	1.90	.....	7.74	8.00	29.31	27.60
27732	Pure Ground Bone	North East	4.15	4.00	.....	.....	*21.55	*21.50	.....	.....	29.53	28.90
27733	Soluble Phos. & Potash	Childs	.....	.....	5.18	5.00	1.02	.....	12.93	12.00	17.02	15.80
27858	Sure Crop Grower	.....	2.13	2.00	5.24	5.00	2.02	.....	8.45	8.00	24.71	22.60
27735	Sure Growth Super-Phosphate	Childs	1.88	2.00	3.28	3.00	1.77	.....	9.04	8.00	22.36	20.60
27736	Wht. & Grass Grower (Low Gr.)	Rising Sun	.75	.50	2.80	2.00	1.02	.....	7.51	8.00	15.22	13.60
	H. G. Snyder & Co., Keedysville, Md.											
27649	Money Saving Phos. (Low Gr.)	Keedysville	.68	.75	5.16	5.00	.87	.....	8.52	8.00	18.45	17.60
	Standard Guano Co., Balto., Md.											
27792	Double X Potash Mixture	Baltimore	.....	.....	5.32	5.00	1.37	.....	11.84	12.00	16.25	15.80
27790	Extra H. G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.60	.....	16.68	16.00	15.13	14.40
27710	Farmer's Champion (Low Grade)	Westminster	.53	.50	2.02	2.00	.82	1.00	8.04	8.00	14.12	14 00
27691	Farmer's Favorite (Low Grade)	Walkersville	.56	.50	3.22	3.00	.92	1.00	9.33	8.00	17.03	15.00
27692	Ideal Guano	Walkersville	2.06	2.00	4.03	4.00	2.25	1.00	8.62	9.00	23.51	23.20

* Total Phosphoric Acid. †G. H. Smith, Big Spring, Md.

No.	Name and Address of Manufacturer and Name of Fertilizer	Place of Sampling (and Senders initials when not Sampled by the College Agent.)	NITROGEN Calculated as AMMONIA.		POTASH. K_2O.		PHOSPHORIC ACID.				Comparative Value Per Ton Found.	Comparative Value Per Ton Guaranteed.
							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Standard Guano Co., Balto., Md.											
27855	Maloney's Spec. Wht. & Gr. Mix.	Simpsonville	2.03	2.00	5.22	5.00	2.22	.....	8 27	9.00	$24.15	$23.80
27791	Mammoth Potato Grower	Baltimore	1 45	2.00	12 24	10.00	1.57	1.00	8 07	8.00	28.35	28.00
27819	Old Fertility	Baltimore	1.76	2.00	4.46	3.00	2.02	1.25	8.20	8.00	22.15	21.10
27693	Special Alkaline Compound	Walkersville	.....	.....	3.96	4.00	1.10	.....	10.31	10.00	13.46	13.00
27473	Special Mixture, 2-8-5	Glen Arm (J.M.M.)	1 93	2.00	5 78	5.00	2.45	.....	8 13	8 00	24.24	22 60
27474	Special Mixture, 2-8-5	Glen Arm (R.S.)	1.93	2.00	5.80	5 00	2.50	.....	8.00	8.00	24 12	22.60
27851	Trucker's Joy	Baltimore	2.53	2.00	3.54	4.00	2.12	1.00	8 45	7.00	24.65	20.80
	W. H. Streett & Co., Fallston, Md.											
27721	Ammoniated Dissolved Bone	Baldwin	1.52	1.50	2.04	2.00	.65	.....	9.02	9.00	19.20	18.80
	Superior Guano Co., Balto., Md.											
27546	M.B.W. Acid Phosphate 16%.	Baltimore	.....	.....	.....	.....	1.07	.....	15.86	16.00	14.48	14.40
27750	M.B.W. Big Crop Grower	Baltimore	1.64	2.00	2.40	2.00	1.30	.....	9.04	8.00	20.33	19.60
27547	M.B.W. Bone Meal	Baltimore	4.27	4.50	..	.....	*22 22	*22 00	.....	.....	30.41	31.20
27763	M.B.W. Caroline Special	Baltimore	.75	1.00	3.54	3 00	.90	.....	9 01	9 00	17.71	17.80
2782I	M.B.W. Cereal Grower (Low Gr.)	Baltimore	.52	.50	2.06	2.00	1.15	.....	8.41	8 00	14.69	13 60
27516	M.B.W. Fruit Special	Baltimore	1.21	2.00	7.96	5 00	5.00	.....	5.19	8.00	21.03	22.60
27 51	M.B.W. Phosphate & Potash	Baltimore	.....	.....	4.94	5.00	1.25	.....	8 86	10.00	13.16	14.00
27800	M.B.W. Phosphate & Potash	Centreville	.....	.....	1.92	2.00	1.00	.....	9.30	10.00	10 49	11 00
27548	M.B.W. Royal Crop Grower	Baltimore	1.01	1.00	3.86	4.00	.70	.....	8.05	8.00	17 84	17.60
27803	M.B.W. Special Mixture	Centreville	.....	.....	3.06	3 00	1.17	.....	10 02	10.00	12.31	12.00
27752	M.B.W. Spec. Bone Mix. (L. Gr.)	Baltimore	.56	.50	3.34	3.00	1.35	.....	8.71	9.00	16.57	15.80

27801	M.B.W. Spec. Bone Mix. (L.Gr.)	Preston	.53	.50	5.14	4 00	1.67	.....	10.60	10.00	$20 65	$18.00
27778	M.B.W. Special Mixture	Baltimore	1.40	1 50	5 02	5.00	10 45	.....	8 46	11 00	24 95	24 20
27802	M.B.W. Special Mixture	Choptank	3.01	3.00	3 20	5.00	10 30	.....	7 90	15.00	28.84	35.00
27753	M.B.W. Spec. Wheat & Grass	Baltimore	.....	.....	5.82	4.00	1.15	.....	7.43	8.00	12.74	11 20
	Swift & Co., Baltimore, Md.											
27604	Corn & Wheat Grower	Baltimore	.89	1.00	3.96	4.00	.77	1.00	7.69	8.00	17 06	18.00
27561	Dissolved Animal Bone	Baltimore	1.79	2.50	.....	.....	.77	.....	9.06	10.00	18.34	22 00
27807	Farmer's Home H.G. Phos. & Pot.	Baltimore	.....	.....	3.54	4.00	1.32	.....	9.09	10:00	11 98	13.00
27822	Favorite Phosphate & Potash	Baltimore	.....	.....	5.46	5.00	.20	.....	9.19	10 00	13 77	14 00
27650	Garden City Acid Phosphate	Hagerstown	.....	.....	.....	.....	1.05	1.00	12 80	14.00	11.73	12 80
27576	Golden Grain Grower	Baltimore	2.03	2 00	5.10	5 00	.52	1.00	7.51	8.00	22.44	23.00
27562	Plantation Phosphate & Potash	Baltimore	.....	.....	4 82	5 00	.57	.....	7.51	8 00	11.69	12.20
27506	Pure Monarch Phosphate	Snow Hill	3.16	3.00	4.94	6 00	.70	.....	6 15	6 00	25 24	25.20
27651	Pure Prolific Guano (Low Gr.)	Hagerstown	51	.50	2 18	2.00	.60	1.00	7.96	8 00	14.01	14.00
27623	Pure Red Steer	Rockville	2.05	2 00	2.30	2.00	1 27	1.00	7 54	8.00	20.06	20.00
27694	Pure Spec. Formula (Low Gr.)	Motters	.51	.50	3 06	3.00	.77	1.00	6.66	7 00	13 40	13 80
27793	Special H.G. Acid Phosphate	Baltimore	.....	.....	.....	.....	.15	1.00	16 19	16 00	14.60	14.60
27739	Special H.G. Phos. & Potash	Princess Anne	.....	.....	5 12	5 00	.80	.....	11 41	12.00	15.55	15.80
27464	Special H.G. Phos. & Potash	Ellwood (W. R.)	.....	.....	4.32	5 00	.40	.....	12 24	12.00	15.42	15 80
27695	Special Phosphate & Potash	Motters	.....	.....	1.80	2 00	77	.....	9.91	10 00	10.87	11.00
27563	Special Phosphate & Potash	Baltimore	.....	.....	3 22	3.00	1.02	.....	11.80	12.00	14 04	13.80
27722	Special Potato Fertilizer	Monkton	1.74	2.00	9.62	10 00	.62	1.00	7.75	8.00	26.13	28 00
27564	Virginia Tobacco Grower	Baltimore	2.29	3.00	3.10	3.00	.77	1.00	8.55	8.00	22.83	25.00
	H. S. Taveau, Baltimore, Md.											
27779	Ammoniated Bone Compound	Baltimore	2.10	2.00	3.18	3.00	1.15	.....	9.64	9.00	23 61	21.80
27825	Bone Mixture	Baltimore	1.06	1.00	2.66	2.50	.70	.....	10 54	10 00	19.83	18 50
27826	Florida Phosphate	Baltimore	.....	.....	.....	.....	.85	.....	14.09	14.00	12.85	12.60
	Thomas & Co., Frederick, Md.											
27679	Crop Grower	Barnesville	1.21	1.00	1 26	1.00	1.50	.....	7.74	8.00	15.99	14.60
	I. P. Thomas & Son Co., Phila., Pa.											
27607	S.C. Phosphate	Hancock	.....	.....	.....	.....	.22	.....	14.75	14.00	13 32	12.60
	W. B. Tilghman Co., Salisbury, Md.											
27662	Bone Tankage Mixture	Berlin	1 96	2.00	2.34	2 00	.72	.....	8 91	8.00	21.16	19.60
27740	Fish. Bone & Potash Mixture	Salisbury	1.16	1.00	2 66	2.00	.30	.....	9.92	10 00	19.32	18 00
27663	High Grade Acid Phosphate	Berlin	.....	.....	.....	.....	.65	.....	14.03	14.00	12 76	12.60
27741	High Grade Corn Fertilizer	Salisbury	1.13	1.00	5.12	5.00	.35	.....	8.68	10.60	20.20	21.00

* Total Phosphoric Acid

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	W. B. Tilghman Co., Salisbury, Md.											
27507	H, G. Potash Mixture	Salisbury	1.93	2.00	11.04	10.00	.70	.....	8.04	8.00	$28.69	$27.60
27513	H. G. Potato Fertilizer	Salisbury	2.66	3.00	6.02	6.00	1.30	.....	7.69	6.00	26.41	25.20
27508	Mixture "B"	Salisbury	3.70	4.00	5.24	4.00	1.17	.....	7.04	7.00	28.96	28.40
27742	Special Mixture (Low Grade)	Salisbury	.53	.33	2.02	2.00	.25	.....	11.26	12.00	17.75	17.72
27509	Standard Fish Mixture	Salisbury	2.20	2.00	2.38	2.00	1.10	.....	8.75	8.00	22.12	19.60
	Tuscarora Fertilizer Co., Balto., Md.											
27808	Alkaline	Baltimore	...	.....	5.26	5.00	.77	.....	9.81	10.00	14.24	14.00
27837	Big (4) Four	Baltimore	1.79	2.00	3.68	4.00	1.87	.....	7.23	7.00	20.27	20.40
27838	York State Special	Baltimore	1.01	1.00	4.14	4.00	1.62	.....	8.02	8.00	18.45	17.60
	J. E. Tygert Co., Phila., Pa.											
27754	Big Crop Grower	Baltimore	.....	.....	4.70	5.00	.32	.....	8.64	8.00	12.54	12.20
27673	Golden Harvest (Low Grade)	Hillsboro	.65	.50	2.05	2.00	.87	.....	8.10	8.00	14.72	13.60
	J. Tyson & Son, Frederick, Md.											
27652	Ammoniated Super-Phosphate	Middletown	.96	1.00	3.56	3.00	.97	.....	8.26	8.00	17.70	16.60
27653	Half & Half Super-Phosphate	Monrovia	.87	1.00	1.42	1.00	.67	.....	8.19	8.00	15.00	14.60
27696	Reliable Crop Grower	Frederick	1.16	1.25	2.24	2.00	.87	.....	9.12	9.00	18.17	17.80
27697	Rock & Potash	Frederick	.....	.....	2.18	2.00	.20	.....	9.78	10.00	11.02	11.00
27698	Rock & Potash	Frederick	.....	.....	4.36	5.00	.17	.....	12.09	12.00	15.27	15.80
27466	Rock & Potash	Ijamsville (W.A.E.)	.....	.....	4.36	5.00	.17	.....	12.10	12.00	15.28	15.80
27676	Special Mixture (Low Grade)	Dickerson	.65	.50	1.58	1.00	.62	.....	8.32	8.00	14.41	12.60
27654	XX High Grade Fertilizer	Middletown	1.48	2.00	3.78	3.00	.55	.....	8.63	8.00	20.28	20.60

	United States Fertilizer Co., Balto., Md.											
27723	Farm Bell Acid Phosphate	Baldwin	.....	.....	.....	.....	.45	1.00	13.35	14 00	$12.11	$12.80
27677	Farm Bell Acid Phosphate	Rockville	.....	.....	.....	.....	.30	1.00	17.84	16.00	16.12	14.60
27699	Farm Bell Alkaline Mixture	New Midway	.....	.....	2 20	2.00	.37	.....	10.52	10.00	11.74	11.00
27510	Farm Bell Animal Ammoniated	Rehobeth	2.10	2.00	5.24	5.00	.75	.....	8 51	8.00	24.15	22.60
27589	Farm Bell Blood, Bone & Potash	Baltimore	4.69	5.00	7.08	7.00	.75	1.00	8 59	8.00	36.45	37.00
27794	Farm Bell Crop Producer	Baltimore	1.23	1.00	1.58	1 00	.82	1.00	8.74	8.00	17.32	15.00
27766	Farm Bell Grain Grower (L. Gr.)	Baltimore	.77	.50	2.54	2.00	.32	1.00	10.58	8.00	18 45	14.00
27565	Farm Bell Pennant Winner	Baltimore	1.13	1.00	4.14	4.00	.77	1.00	8.30	8.00	18.93	18.00
27678	Farm Bell Phospho Potasso	Rockville	.....	.....	5 66	5.00	.75	1 00	12.30	12.00	16.88	16.00
27511	Farm Bell Raw Bone	Rehobeth	4 51	4.50	.....	.....	*21.47	*21.50	.....	.....	30 92	30.90
27795	Farm Bell Standard Guano	Simpsonville	2.03	2.00	2.48	2 00	1 65	1.00	8 36	8.00	21 29	20.00
27700	Farm Bell Ten & Five Mixture	New Midway	.....	.....	5.30	5.00	.50	.....	10.13	10 00	14 52	14.00
27809	Farm Bell Wht. & Corn Spec	Baltimore	1.06	1.00	6.92	6 00	.72	1.00	8.76	8.00	21.96	20.00
	E. S. Valliant & Son, Church Hill, Md.											
27532	Acid Phosphate	Baltimore	.....	.....	.....	.....	.62	.50	15.62	14.00	14 18	12.70
27517	Amm'd Potash Mix. (Low Grade)	Baltimore	.41	.25	1.92	2.00	1.13	.....	9 47	10.00	15 37	15.00
27533	Chesapeake Brand	Baltimore	1 01	1.00	4.22	4.00	.95	.....	7.64	8.00	17.81	17.60
27534	Favorite Brand	Baltimore	1.79	2.00	5.26	5 00	.45	.....	8.02	8.00	22.22	22.60
27518	Grain Grower (Low Grade)	Baltimore	.55	.50	1.54	2.00	1.17	1.00	8.92	8 00	14.91	14.00
27519	Ideal Fertilizer	Baltimore	.89	1 00	2 02	2.00	1.00	.....	8.52	9..0	16.20	16.80
27542	Maryland Brand	Baltimore	1.91	2 00	2 26	2 00	1.15	.....	8.54	8.00	20 61	19.60
27535	Oriole Brand (Low Grade)	Baltimore	.60	.50	3.48	3.00	.70	.....	7.60	8 00	15.28	14.60
27520	Standard Fertilizer	Baltimore	1.06	1.00	4.26	4.00	1 35	.....	9.02	9.00	19.86	18.80
27566	10-2	Baltimore	.....	.....	2.16	2.00	.95	.....	8.50	10 00	10.00	11.00
27823	12-5	Baltimore	.....	.....	5.42	5.00	.92	.....	11.40	12.00	15.86	15.80
	W. H. Valliant & Bro., Bellevue, Md.											
27728	Crab Shell Phosphate	Trappe	3.21	3.00	.....	.....	*1.96	*2.00	.....	.....	10.81	10.20
	Virginia-Carolina Chemical Co., Richmond, Va.											
27590	Acid Phosphate 14%	Baltimore	.....	.....	.....	.....	1.92	1.00	15.38	14.00	14.22	12.80
27601	Corn & Buckwht. Spec. (LowGr.)	Baltimore	.....	.....	2 90	3.00	1.07	1.00	5.88	6.00	8.40	8.60
27655	Fish, Bone & Potash	Ladiesburg	1.71	2.00	2.90	3.00	2.67	1.00	8 88	8.00	21.47	21.00
27591	High Grade Bone & Potash	Baltimore	.....	.....	5.03	5.00	2.12	1.00	11.24	12.00	15.57	16.00
27656	National Ammoniated Guano	Big Spring	.96	1.00	3 80	4.00	3.12	1.00	7.91	8.00	18.38	18.00
27657	Special Bone & Potash	Ladiesburg	.....	.....	6.34	5.00	2.52	1.00	9.37	10.00	15.27	14.20
27658	Special Compound	Ladiesburg	1.04	1.00	1.42	1.00	3.55	1.00	7.59	8.00	16 11	15.00
27608	Special Potash Mixture	Hancock	.....	.....	5.44	5.00	1.12	1.00	8.19	8 00	13.03	12.40

*Total Phosphoric Acid.

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							Insoluble.		Available.			
			Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.	Found.	Guaranteed.		
	Virginia-Carolina Chemical Co., Richmond, Va.											
27592	Standard Bone & Potash	Baltimore	.....	.....	2.28	2.00	2.45	1.00	9.23	10.00	$11.08	$11.20
27755	Stan. Corn & Grain Gro. (L. Gr.)	Baltimore	.44	.50	2.42	2.00	2.30	1.00	7.17	8.00	13.70	14.00
	S. L. Webster & Son, Cambridge, Md.											
27729	Bone & Potash	Easton	.....	.....	2.48	2.00	1.07	.....	10.60	10.00	12·23	11 00
27664	Old Dorset Amm'd Bone Fert.	Cambridge	.87	1.00	4.22	4.00	1.37	.....	7.29	8.00	17.00	17 60
	Westminster Fertilizer Co., Westminster, Md.											
27711	Big Gun	Westminster	2.08	2.00	2 12	2 00	1 52	.....	10.39	10.00	23.52	22 00
27712	Governor	Westminster	1 40	1 50	2.86	2.50	.95	.....	9.57	9.00	20.32	19.30
27713	Leader	Tyrone	.94	1.00	1.84	1 50	.77	.....	8 71	8 00	16.36	15.10
27714	Super-A (Low Grade)	Tyrone	.87	.75	1.44	1.00	.80	.....	8 44	8.00	15.37	13.60
	H. W. Whistler, Bel Air, Md.											
27810	Crop Grower	Baltimore	1.71	1.50	2.24	2 00	1.50	.....	8.13	8.00	19.44	17.60
	R. A. Woolridge Co., Baltimore, Md.											
27521	Champion Giant Phosphate	Baltimore	1.06	1.00	2.02	2.00	1.10	.....	9 02	9.00	17.52	16 80
27764	Chieftain Phosphate	Baltimore	2.13	2.00	2 26	2.00	1.15	.....	8.53	8.00	21.48	19.60
27811	Farmers' Fav. Cereal Comp. (Low Grade)	Baltimore	.65	.50	2.03	2.00	.82	.....	7.26	7.00	13.67	12.40
27827	Fernwood Grange Mixture	Baltimore	2.08	2.00	10.58	8.00	1.72	.....	7.89	8.00	29.06	25.60
27549	Florida Acid Phosphate	Baltimore	.....	.....	.....	.....	.67	.....	14.51	14.00	13 19	12.60
27577	German Potash Mixture	Baltimore	.....	.....	2.10	2.00	.32	.....	10.18	10.00	11.32	11.00

27780	High Grade Acid Phosphate....	Baltimore.....	.....	.....	.....	.....	.20	.....	16.46	16 00	$14.85	$14.40
27781	H.G. Amm'd Potash Fertilizer.	Baltimore.....	2.01	2.00	9.84	10.00	1.35	.....	8 23	8.00	28.30	27.60
27782	H. G. Dissolved Animal Bone...	Baltimore.....	2.30	2.50	.....	.....	1.87	.....	12.70	12.00	25.19	24.40
27585	Ideal Grain & Grass Producer..	Sparks.....	.....	.....	4.26	4 00	.45	.....	10 31	10.00	13.63	13 00
27536	Liberty Bell Potash Mixture ...	Baltimore.....	.....	.....	3.12	3 00	1.10	.....	10.92	12.00	13 17	13.80
27626	No. 1 Phos. & Potash (Low Gr.)	Bethlehem.....	.....	.....	3.30	3.00	.20	.....	6 59	6.00	9 27	8.40
27783	No. 2 Phosphate & Potash.....	Baltimore.....	.....	.....	5.30	5 00	.25	.....	8 20	8.00	12 73	12 20
27567	Old Sledge Phosphate	Baltimore.....	.....	.....	5 08	5.00	.57	.....	12.66	12.00	16.58	15.80
27756	Pure Raw Bone.....	Baltimore.....	4.42	4.50	.....	.....	*21 53	*21.51	.....	.....	30 60	30.91
27522	Special Potato & Tobacco Fert.	Baltimore.....	2.13	2.00	4 64	5.00	1.17	.....	8 11	9.00	23.36	23 80
27512	Triumph Brand Phosphate.....	Princess Anne.....	1.52	1 50	3.78	4.00	1.17	.....	8.51	8.00	20.54	19.60
	Wooldridge Fertilizer Co., Balto., Md.											
27624	Curacao Guano.....	Germantown.....	.....	.....	.....	.....	13.42	13.00	9.05	9.00	10 83	10.70
	Worcester Fertilizer Co., Snow Hill, Md.											
27665	Animal Ammoniated Mixture...	Snow Hill.....	1 91	2.00	5.03	5.00	1.92	.....	7.76	8.00	22.75	22.60
27666	Bumper Crop Grower.....	Snow Hill.....	1 86	2.00	2.52	2 00	2.05	.....	8.44	8 00	20.91	19.60
27866	Phosphate & Potash.....	Snow Hill.....	.....	.....	6 24	5 00	.47	.....	11 13	12.00	16 35	15.80
27867	Wheat & Grass Mixture.....	Stockton.....	1.16	1.00	5.64	4.00	1.00	.....	7.54	8.00	19.73	17.60
	York Chemical Works, York, Pa.											
27609	Codorus Brand (Low Grade)....	Hancock.....	.....	.....	3 74	3 00	.57	.....	8 63	7.00	11 62	9.30
27715	Dempwolf's Black Cross	Manchester.....	.....	.....	1.92	2.00	.65	.....	9.52	10 00	10.62	11 00
27610	Dempwolf's Dissolved Phos.....	Hancock.....	.....	.....	.....	.....	1.07	.....	14.38	14.00	13 15	12.60
27716	Dempwolf's Harvest Queen	Manchester.....	1.06	1.00	2.26	2.00	.67	.....	8 02	8 00	16 39	15.60
27724	Dempwolf's Plow Brand.....	Baldwin.....	1.57	2.00	2 23	2 00	.70	.....	8 67	8.00	19 24	19.60
27611	Dempwolf's Red Cross.....	Hancock.....	.....		5 10	5.00	.75	.....	9.80	10 00	14 07	14.00
27725	Dempwolf's Standard Potash...	Baldwin.....	1.04	1.00	4 66	4.00	1 10	.....	7.28	8.00	18.00	17 60
27726	Dempwolf's Standard	Baldwin.....	1.88	2.00	5.56	5 00	.85	.....	8.59	8.00	23 73	22.60
27612	Dempwolf's Super-Phosphate...	Hancock.....	.....	.....	.....	.....	.45	.....	16.14	16 00	14 62	14.40
27613	Dempwolf's York Special.....	Hancock.....	.....	.....	4.48	4.00	.77	.....	8.43	8.00	12.22	11.20

*Total Phosphoric Acid.

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